APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Cutting Quality of High-Speed Steel of Various Compositions and of Cemented Carbide Tools, by F. Rapatz, H. Pollack, and J. Holzberger.

GERMAN, per, Stahl und Eisen, Vol LVIII, 1938.

Brutcher Tr 528

Scientific - Min/Metals $8.90

13,029

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Growth of Cast Iron for Piston Rings at Temperatures of up to 1300° F., by F. Bollenrath, K. Bungardt.

GERMAN, per. Stahl Und Eisen, Vol LVIII, 1938.

Brutcher Tr No 907

Scientific - Min/Metals $1.20

15,883

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Genesis and Elimination of Nonmetallic Inclusions in Basic Electric Furnace Steel, by F. Buchholz, etXX al

GERMAN, per, Stahl und Eisen, Vol LVIII, 1938.

Brutcher Tr No 535

Scientific - Min/Metals $3.50 16,703

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Influence of the Width in the Cold Rolling of Sheet, by H. Bohr.

GERMAN, per, Stahl Und Eisen, Vol LVIII, 1938.

Brutcher Tr No 596

Scientific - Min/Metals $2.50

15,785

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Present and Future Possibilities of X-Ray and Gamma-Ray Testing, by R. Berthold.

GERMAN, per, Stahl und Eisen, Vol LVIII, # 1938, pp 49-52.

Brutcher Tr No 541

Scientific - Physics
Min/Metals $2.30

14,011

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Hot Galvanizing of Steel Wire, by A.Keller, K. Dohacek,

GERMAN, per, Stahl und Eisen, Vol LVIII, 1938.

Brutcher Tr No 1110

Scientific - Min/Metals $3.50

14,753

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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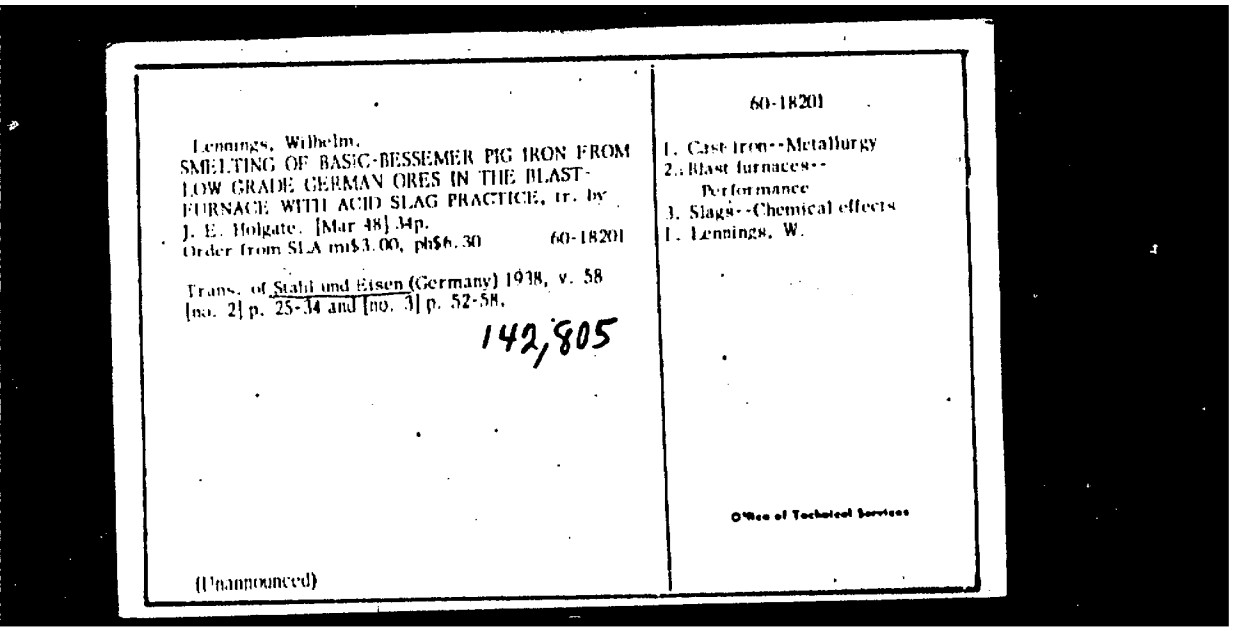

Lennings, Wilhelm.
SMELTING OF BASIC-BESSEMER PIG IRON FROM LOW GRADE GERMAN ORES IN THE BLAST-FURNACE WITH ACID SLAG PRACTICE, tr. by J. E. Holgate. [Mar 48] 34p.
Order from SLA mi$3.00, ph$6.30 60-18201

Trans. of Stahl und Eisen (Germany) 1938, v. 58 [no. 2] p. 25-34 and [no. 3] p. 52-58.

142,805

(Unannounced)

60-18201

1. Cast iron--Metallurgy
2. Blast furnaces--Performance
3. Slags--Chemical effects
I. Lennings, W.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Schack, A.
BASES FOR THE INCREASED USE OF BLAST-FURNACE GAS IN IRONWORKS, tr. by W. Goldsbrough. Rept. no. 253 of the Wärmestelle [Fuel Section] of the Verein Deutscher Eisenhüttenleute. [Feb 44] 21p. 2 refs.
Order from SLA $2.60 61-18454

Trans. of Stahl und Eisen (Germany) 1938, v. 58, 17 Feb, p. 157-165.

DESCRIPTORS: *Blast furnaces, *Gases, Iron industry, Combustion, Steel industry, Open hearth furnaces, Heating, Operation, Fuel consumption.

(Unannounced)

61-18454

I. Schack, A.
II. Title: Verein...

184045

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Rapatz, F., Pollack, H., and Holzberger, J.
THE CUTTING QUALITY OF HIGH SPEED STEELS OF VARIOUS COMPOSITIONS AND OF SINTERED CARBIDE TOOLS. [1962] [30]p. 13 refs.
Order from SLA $2.60 62-14462

Trans. of Stahl und Eisen (West Germany) 1938, v. 58, p. 265-275 (Verein Deutscher Eisenhüttenleute (West Germany) Berichte 402).

DESCRIPTORS: *Steel, *Cutting tools, *Tool steel, Chemical analysis, Tools, *Carbide tools, *Sintered alloys, Life expectancy.

(Metallurgy, TT, v. 8, no. 3)

62-14462

I. Rapatz, F.
II. Pollack, H.
III. Holzberger, J.
IV. Verein ... Berichte 402

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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XXXXXXXXXX

THE EFFECT OF SUPERHEATING OF THE MELT ON THE STRUCTURE AND THE STRENGTH CHARACTERISTICS OF ALLOY STRUCTURAL STEEL, BY A. SCHOBERL, R. MITSCHE.

GERMAN, PER, STAHL UND EISEN, VOL LVIII, MAY 1938, PP 546-549.

BISI 2688

SCI - MIN/ METALS

XXXXXX AUG 62

/ 207,127

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

POMP, A. and others. Spreading when flat rolling round wire.
Stahl Eisen 58:937-43 (1938) (CRL/T. 3928x)

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

The Desulphurisation of Pig Iron by Burnt Lime in the Sturzelberg Rotary Furnace, by W. Bading, A. Krus.

GERMAN, per, Stahl und Eisen, Vol LVIII, 1938, pp 1457-1459.

Broken Hill Prop Co Ltd
(CRL/T 44)

Sci - Min/Met
Dec 61

175,698

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Linden, K. v. d.
CONSIDERATIONS AND EXPERIENCES IN THE CONSTRUCTION OF A PUSHER-TYPE FURNACE FOR ALLOY STEEL [AND] DISCUSSION, tr. by W. Goldsbrough. Rept. no. 263 of the Wärmestelle [Fuel Section] of the Verein Deutscher Eisenhüttenleute.
[Mar 44] 21p. (3 figs. omitted).
Order from SLA $2. 60 61-18452

Trans. of Stahl und Eisen (Germany) 1938, v. 58, 29 Dec, p. 1473-1481.

DESCRIPTORS: Construction, *Steel, Design, Operation, Heating, Theory, *Blast furnaces.

(Unannounced)

61-18452

I. Title: Pusher furnace
I. Linden, K. v. d.
II. Title: Verein...

184044

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Trends in Development of Alloyed Steels, by E. Houdremont, 31 pp.

GERMAN, per, Stahl u Eisen, Vol LIX, Jan 1939, pp 1-8.

SLA 57-1152

Sci - Min/Met

58, 444

Feb 58

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Influence of Deoxidation on Mechanical Properties o
Steel, Especially at Elevated Temperatures, by
H. Buchholz.

GERMAN, per, Stahl Und Eisen, Vol LIX, 1939.

Brutcher Tr No 816

16,708

Scientific - Min/Metals $4.90

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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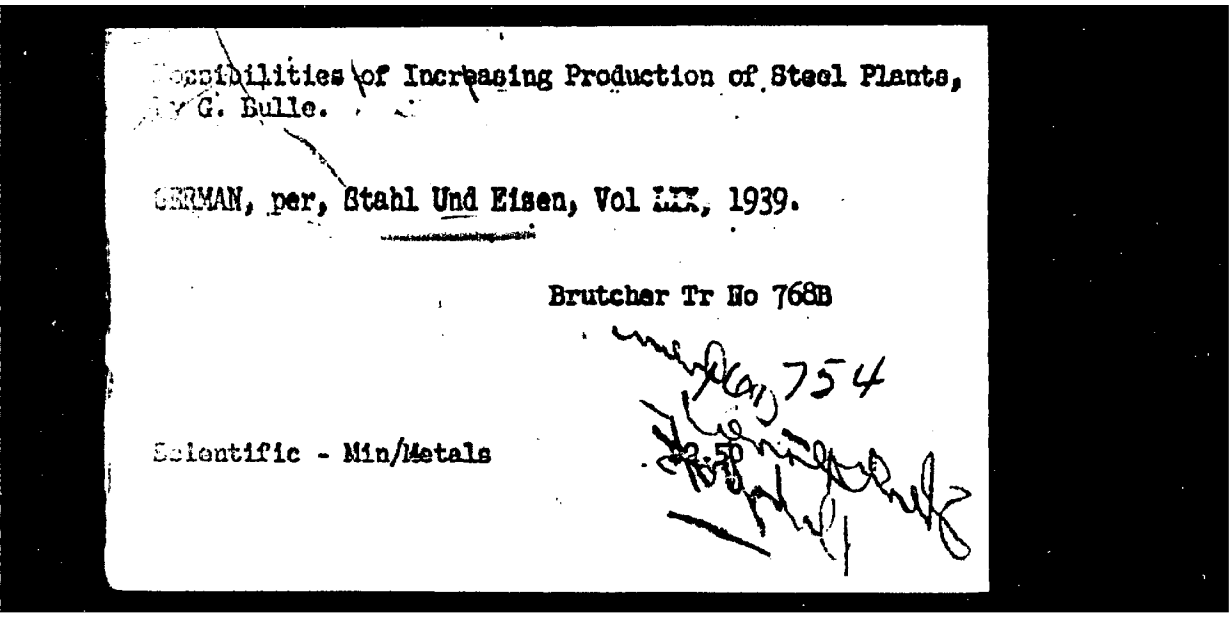

Possibilities of Increasing Production of Steel Plants,
by G. Bulle.

GERMAN, per, Stahl Und Eisen, Vol LIX, 1939.

Brutcher Tr No 768B

754

Scientific - Min/Metals

$2.50

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Strassinet, Theodor.
EXPERIENCES IN THE CONSTRUCTION AND OPERATION OF MODERN PUSHER-TYPE FURNACES. Rept. no. 265 of the Wärmestelle [Fuel Section] of the Verein Deutscher Eisenhüttenleute. [1961] 18p. 2 refs. Order from SLA $1.60 61-18406

Trans. of Stahl und Eisen (Germany) 1939, v. 59 [no. 1] p. 54-63.

DESCRIPTORS: *Blast furnaces, Construction, *Rolling mills, *Fuel injection.

(Unannounced)

61-18406

I. Title: Pusher furnaces
I. Strassinet, T.
II. Title: Verein...

184042

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Pickling With Re-Strengthened Sulphuric Acid, by P. Dickens.

GERMAN, semimo per, Stahl und Eisen, Vol LIX, 23 Mar 1939, pp 364-377.

Co-op Tr Sch Tr 707

Sci - Engr
Jan 58

57,765

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

The Correlation of the Renn-Process With Raw Materials. Power and Production Economy, by Hugo Bansen, 11 pp.

GERMAN, per, Stahl und Eisen, Vol LIX, No 27, 6 Jul 1939, pp 785-790.

34, 383 S.L.A. No 156/1956

Scientific - Minerals/metals

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Hennenbergr, K. H.
THE DECOMPOSITION OF RAW PHOSPHATE BY SMELTING WITH SODA SLAG. [Dec 43] 3p. (2 figs. omitted).
Order from SLA $1.10 61-18462

Trans. of Stahl und Eisen (Germany) 1939, v. 59, 1 June, p. 662-663.

DESCRIPTORS: Phosphates, Decomposition, Sodium compounds, Carbonates, *Slags, Melting, Iron, Purification.

(Unannounced)

61-18462

1. Hennenbergr, K. H.

184050

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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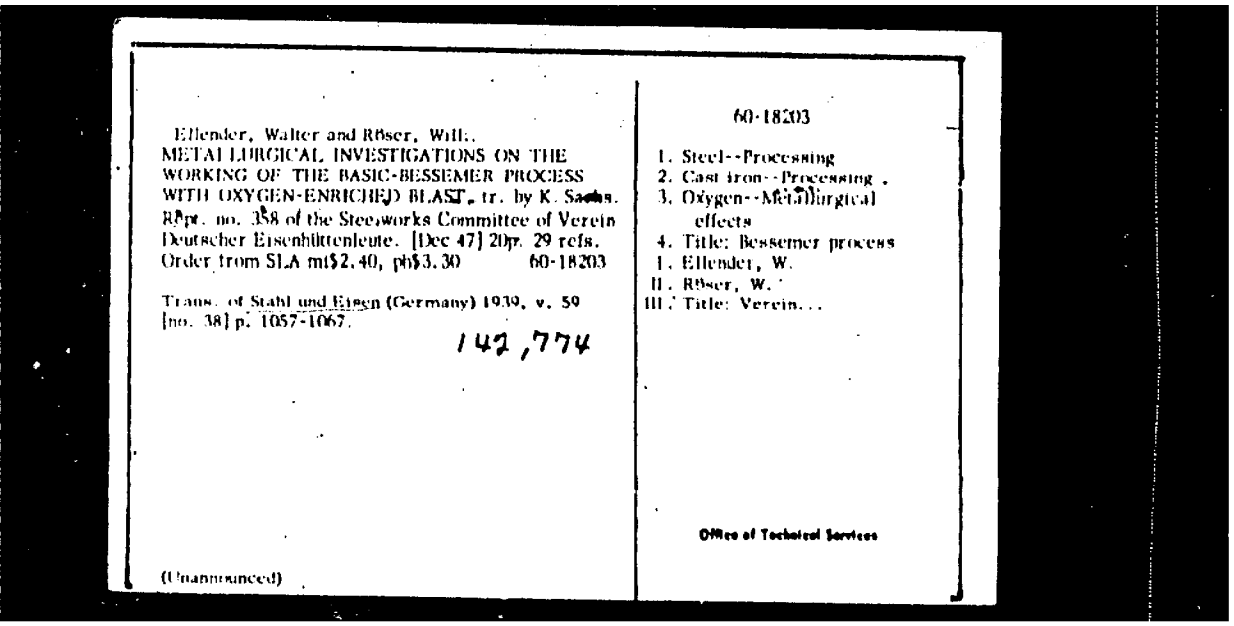


Ellender, Walter and Röser, Will.
METALLURGICAL INVESTIGATIONS ON THE WORKING OF THE BASIC-BESSEMER PROCESS WITH OXYGEN-ENRICHED BLAST. tr. by K. Sachs. 8pr. no. 358 of the Steelworks Committee of Verein Deutscher Eisenhüttenleute. [Dec 47] 20pr. 29 refs. Order from SLA mt$2.40, ph$3.30 60-18203

Trans. of Stahl und Eisen (Germany) 1939, v. 59 [no. 38] p. 1057-1067.

142,774

(Unannounced)

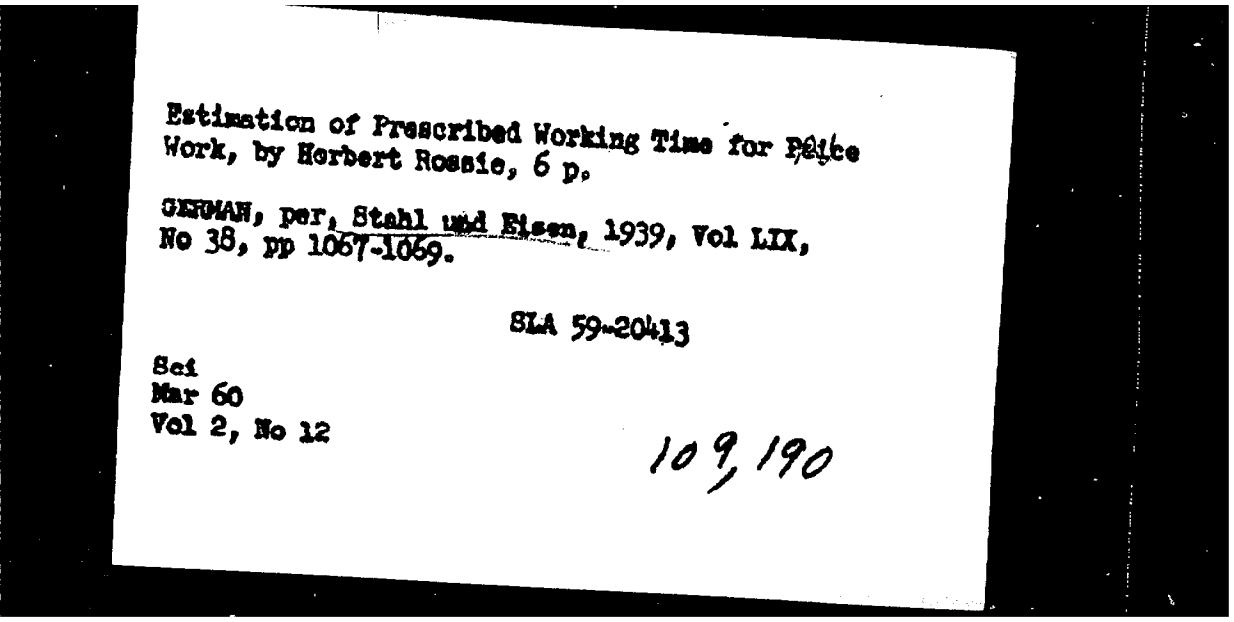
60-18203

1. Steel--Processing
2. Cast iron--Processing
3. Oxygen--Metallurgical effects
4. Title: Bessemer process
I. Ellender, W.
II. Röser, W.
III. Title: Verein...

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8



Estimation of Prescribed Working Time for Paice Work, by Herbert Rossie, 6 p.

GERMAN, per, Stahl und Eisen, 1939, Vol LIX, No 38, pp 1067-1069.

SLA 59-20413

Sci
Mar 60
Vol 2, No 12

109,190

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

The Resistance of Mild Steel to Stress Corrosion With Respect to Aging, Heat Treating, [illegible] and Aluminum Content, by Von Franz Nehl, Walter Werner, 4 pp.
GERMAN, per, Stahl und Eisen, Vol LIX, 1939, pp 1155-1157. 9222646

AEC-Tr-6394

[illegible]
Sci
Jun 64

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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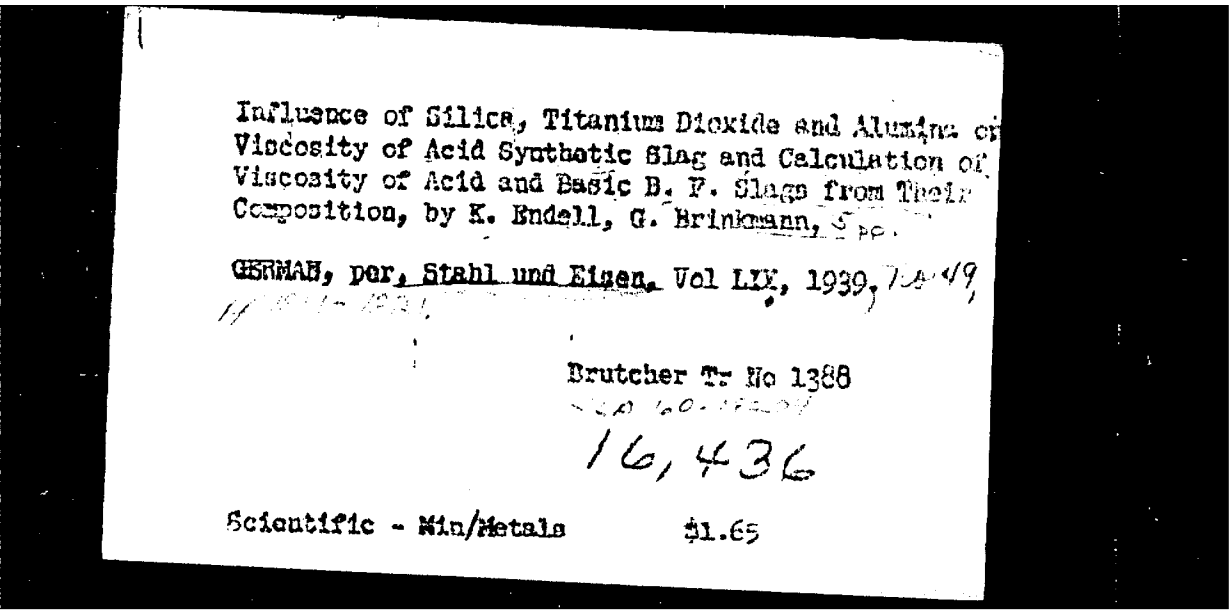

Influence of Silica, Titanium Dioxide and Alumina on Viscosity of Acid Synthetic Slag and Calculation of Viscosity of Acid and Basic B. F. Slags from Their Composition, by K. Endell, G. Brinkmann, 5 pp.

GERMAN, per, Stahl und Eisen, Vol LIX, 1939, 729-49

Brutcher Tr No 1388

16,436

Scientific - Min/Metals $1.65

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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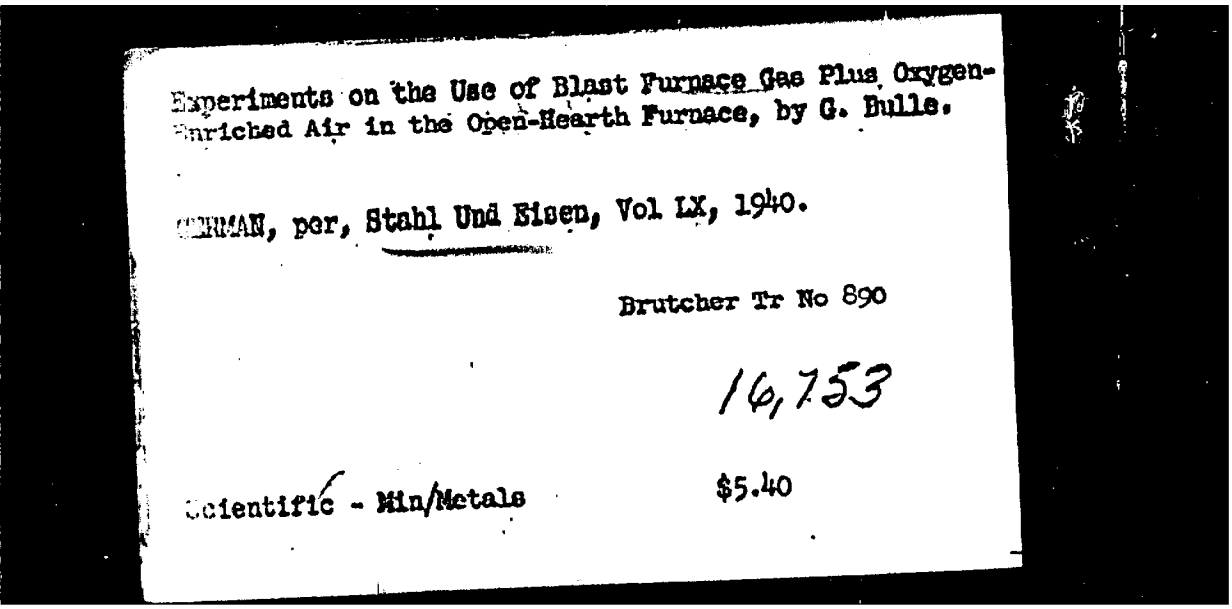

Experiments on the Use of Blast Furnace Gas Plus Oxygen-Enriched Air in the Open-Hearth Furnace, by G. Bulle.

GERMAN, per, Stahl Und Eisen, Vol LX, 1940.

Brutcher Tr No 890

16,753

Scientific - Min/Metals

$5.40

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Progress in Melting Technique With the Coreless
XXXX Induction Furnace, by O. Dorrenberg, W. Bottenberg

GERMAN, per, Stahl und Eisen, Vol LX, 1940.

Brutcher Tr No 848

Scientific - Min/Metals

$2.60

16,387

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Desulphurization of Basic Bessemer Pig Iron, by W. Eichholtz, G. Behrendt.

GERMAN, per, Stahl und Eisen, ~~XXXX~~ Vol LX, 1940.

Brutcher Tr No 970

Scientific - Min/~~XXXX~~ Metals $5.20

13,972

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Experiences With Spoke Roofs on Large Electric Arc Furnaces, by P. Bremer.

GERMAN, per, Stahl Und Eisen, Vol LX, 1940.

Brutcher Tr No 982

Scientific - Min/Metals $1.55

16,491

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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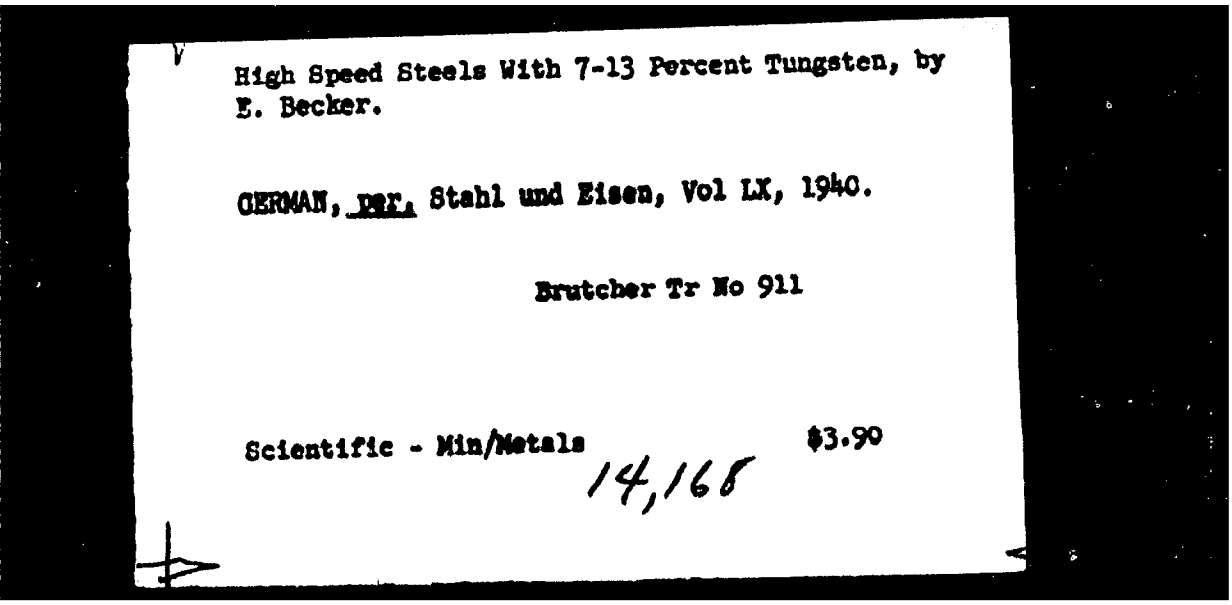

High Speed Steels With 7-13 Percent Tungsten, by E. Becker.

GERMAN, per. Stahl und Eisen, Vol LX, 1940.

Brutcher Tr No 911

Scientific - Min/Metals $3.90

14,168

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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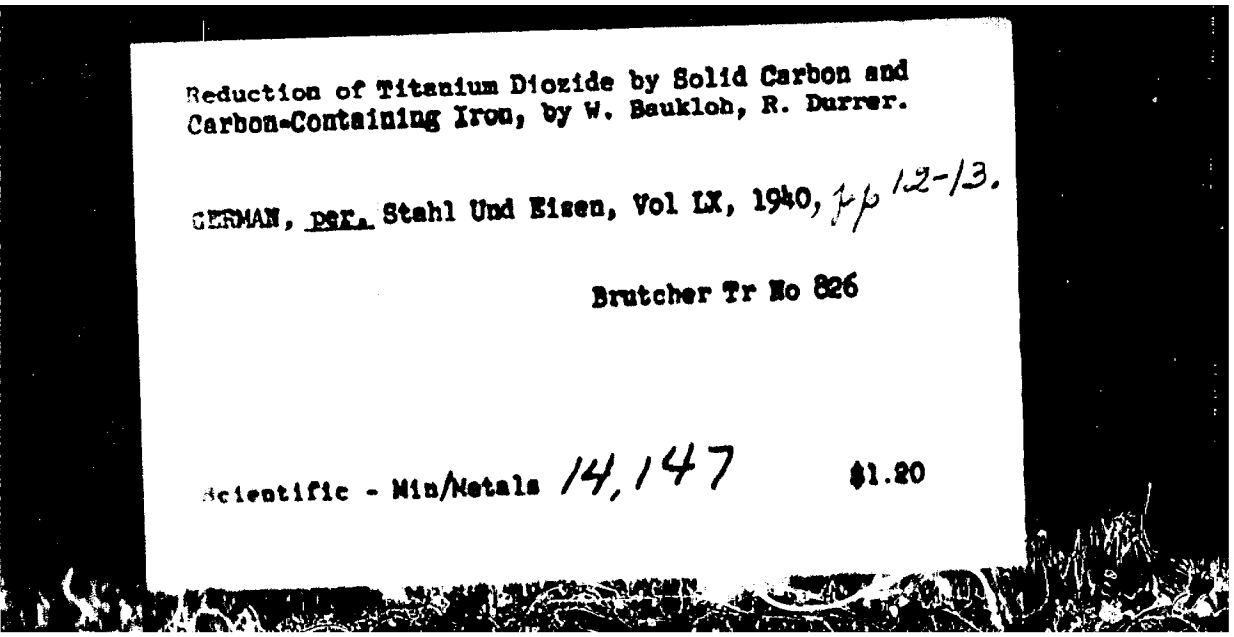


Reduction of Titanium Diozide by Solid Carbon and Carbon-Containing Iron, by W. Baukloh, R. Durrer.

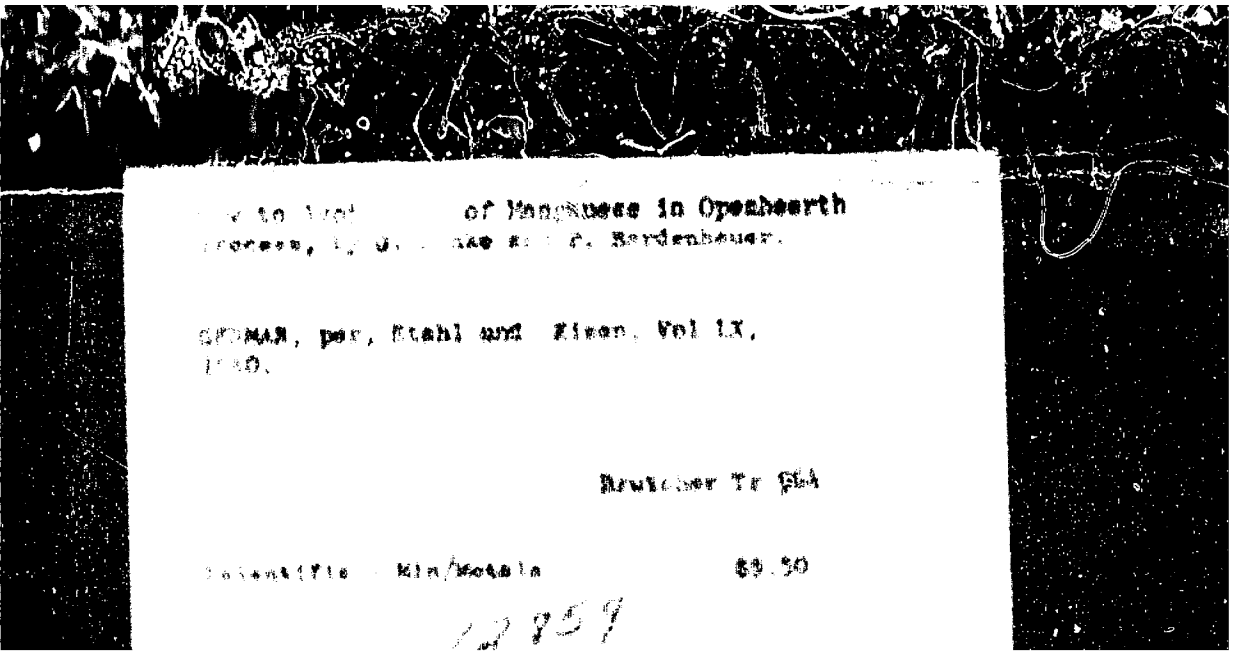
GERMAN, per. Stahl Und Eisen, Vol LX, 1940, pp 12-13.

Brutcher Tr No 826

Scientific - Min/Metals 14,147 $1.20

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8



of Manganese in Openhearth

Bordenbauer.

, par, Stahl und Eisen, Vol LX,

Neumeier Tr pbl

Metallic Min/Metals $9.50

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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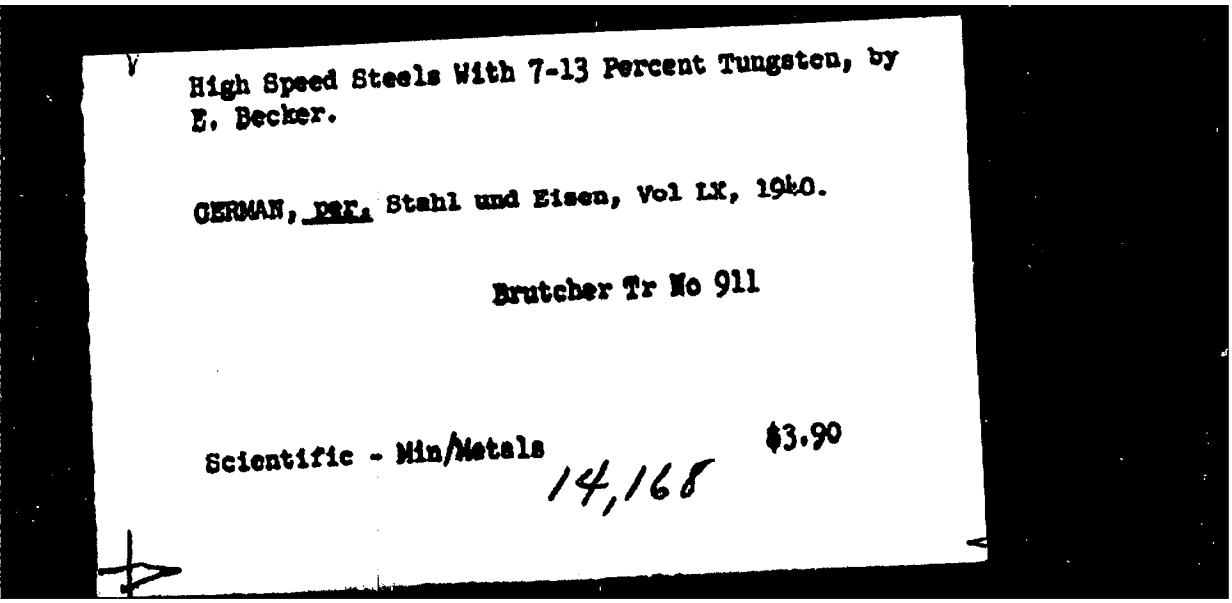

High Speed Steels With 7-13 Percent Tungsten, by E. Becker.

GERMAN, pam. Stahl und Eisen, Vol LX, 1940.

Brutcher Tr No 911

Scientific - Min/Metals 14,168 $3.90

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Reduction of Titanium Diozide by Solid Carbon and Carbon-Containing Iron, by W. Baukloh, R. Durrer.

GERMAN, per. Stahl Und Eisen, Vol LX, 1940, pp 12-13.

Brutcher Tr No 826

Scientific - Min/Metals 14,147 $1.20

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

How to Avoid Loss of Manganese in Openhearth Process, by G. Henke and P. Bardenheuer.

GERMAN, per, Stahl und Eisen, Vol LX, 1940.

Brutcher Tr 964

Scientific - Min/Metals $5.50

12,859

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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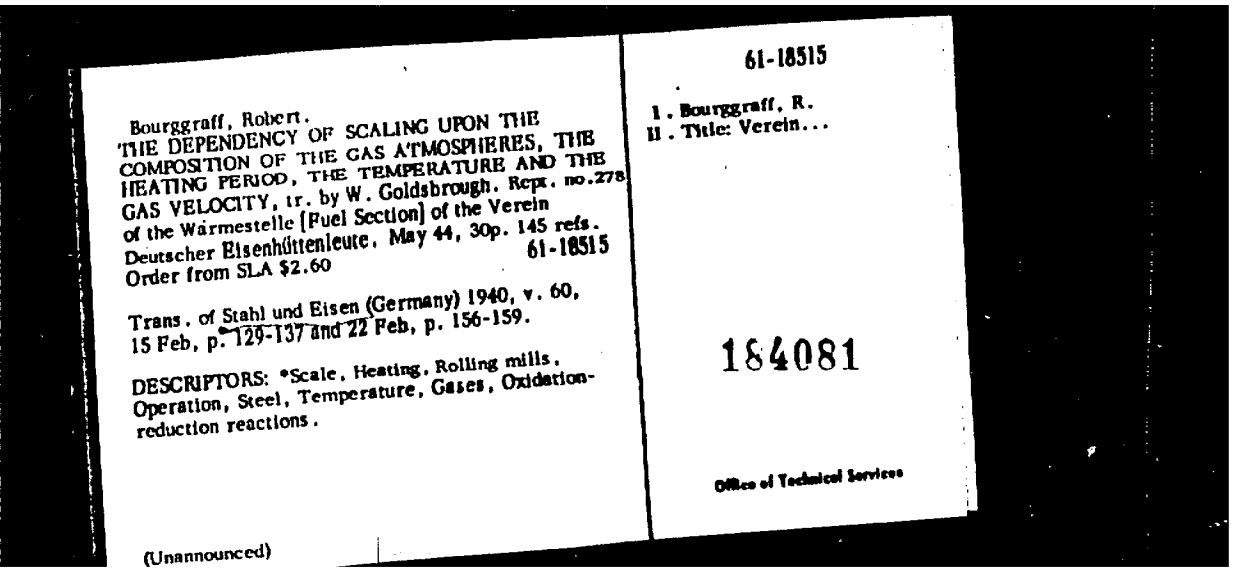

Bourggraff, Robert.
THE DEPENDENCY OF SCALING UPON THE COMPOSITION OF THE GAS ATMOSPHERES, THE HEATING PERIOD, THE TEMPERATURE AND THE GAS VELOCITY, tr. by W. Goldsbrough. Rept. no.278 of the Wärmestelle [Fuel Section] of the Verein Deutscher Eisenhüttenleute, May 44, 30p. 145 refs. 61-18515
Order from SLA $2.60

Trans. of Stahl und Eisen (Germany) 1940, v. 60, 15 Feb, p. 129-137 and 22 Feb, p. 156-159.

DESCRIPTORS: *Scale, Heating, Rolling mills, Operation, Steel, Temperature, Gases, Oxidation-reduction reactions.

(Unannounced)

61-18515

I. Bourggraff, R.
II. Title: Verein...

184081

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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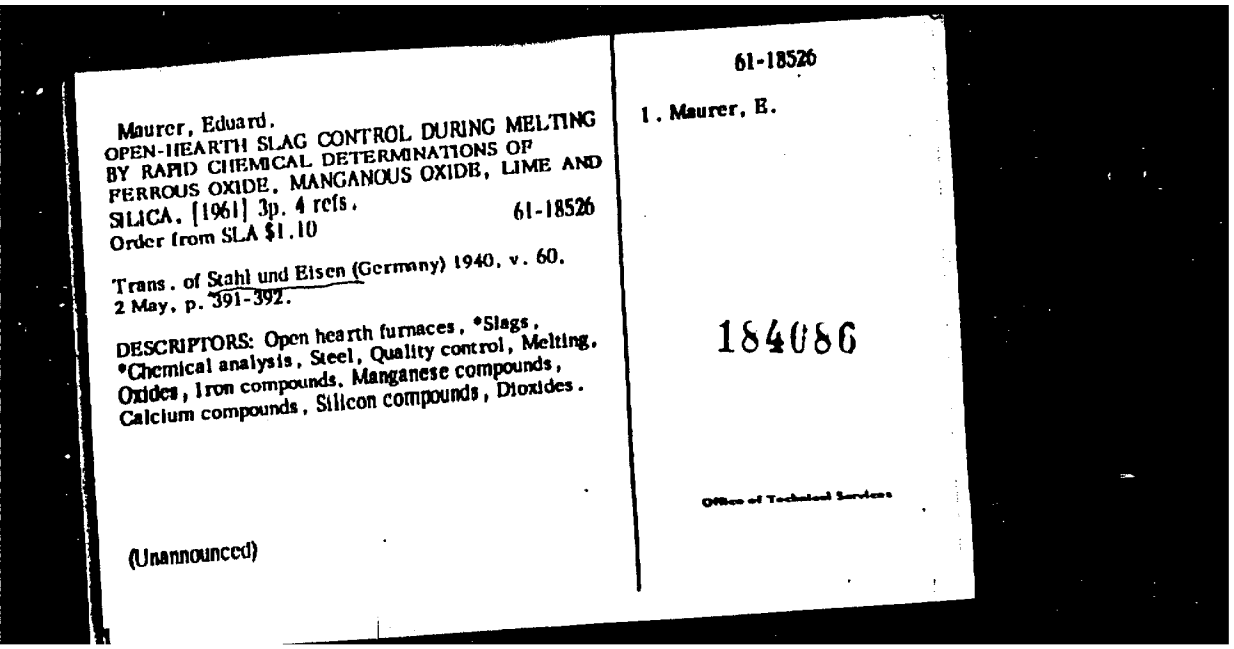


Maurer, Eduard.
OPEN-HEARTH SLAG CONTROL DURING MELTING BY RAPID CHEMICAL DETERMINATIONS OF FERROUS OXIDE, MANGANOUS OXIDE, LIME AND SILICA. [1961] 3p. 4 refs. 61-18526
Order from SLA $1.10

Trans. of Stahl und Eisen (Germany) 1940, v. 60, 2 May, p. 391-392.

DESCRIPTORS: Open hearth furnaces, *Slags, *Chemical analysis, Steel, Quality control, Melting, Oxides, Iron compounds, Manganese compounds, Calcium compounds, Silicon compounds, Dioxides.

(Unannounced)

61-18526

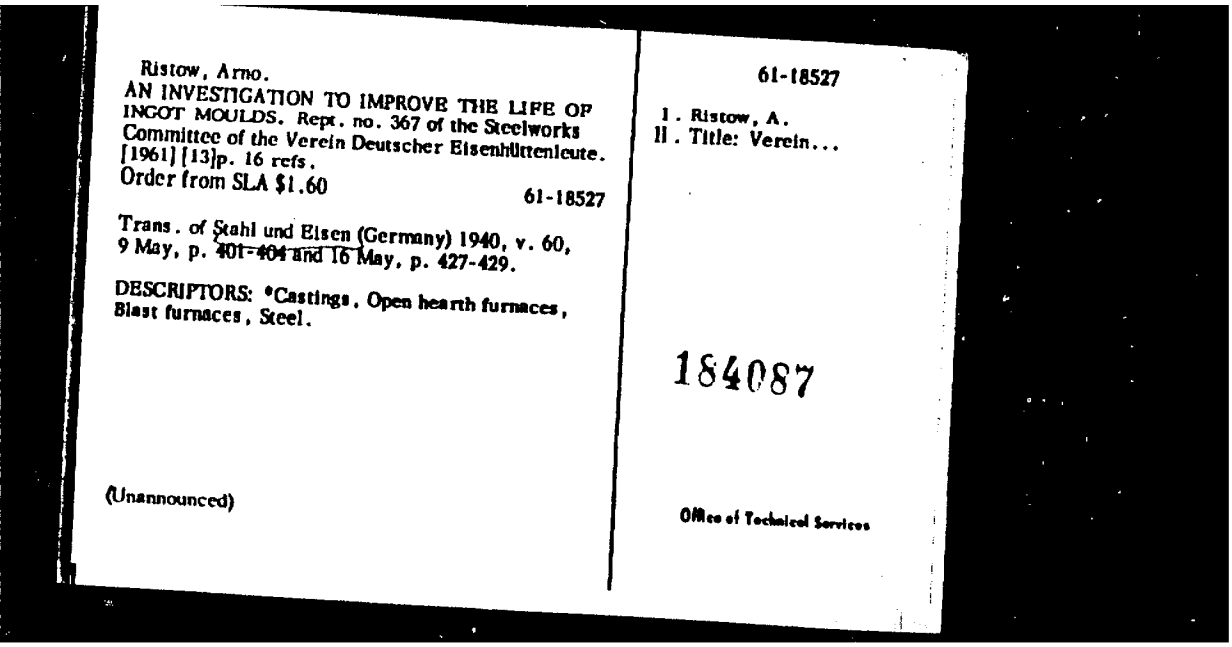
1. Maurer, E.

184086

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8



Ristow, Arno.
AN INVESTIGATION TO IMPROVE THE LIFE OF INGOT MOULDS. Rept. no. 367 of the Steelworks Committee of the Verein Deutscher Eisenhüttenleute. [1961] [13]p. 16 refs.
Order from SLA $1.60
61-18527

Trans. of Stahl und Eisen (Germany) 1940, v. 60, 9 May, p. 401-404 and 16 May, p. 427-429.

DESCRIPTORS: *Castings, Open hearth furnaces, Blast furnaces, Steel.

(Unannounced)

61-18527

I. Ristow, A.
II. Title: Verein...

184087

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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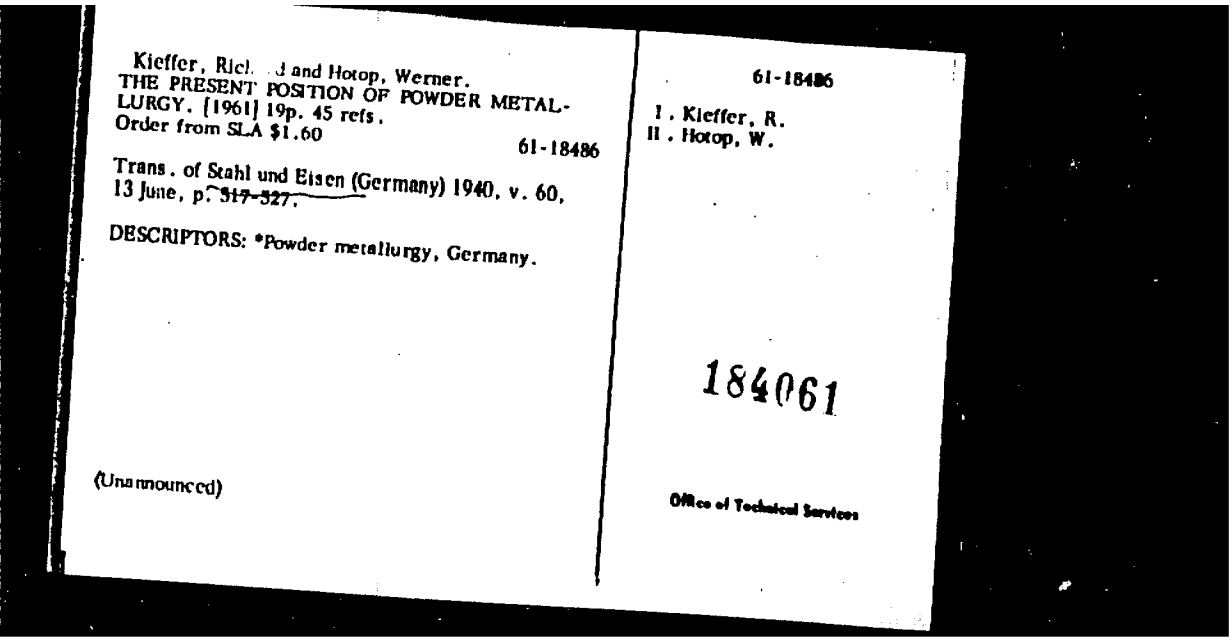

Kieffer, Richard and Hotop, Werner.
THE PRESENT POSITION OF POWDER METALLURGY. [1961] 19p. 45 refs.
Order from SLA $1.60
61-18486

Trans. of Stahl und Eisen (Germany) 1940, v. 60, 13 June, p. 517-527.

DESCRIPTORS: *Powder metallurgy, Germany.

(Unannounced)

61-18486

I. Kieffer, R.
II. Hotop, W.

184061

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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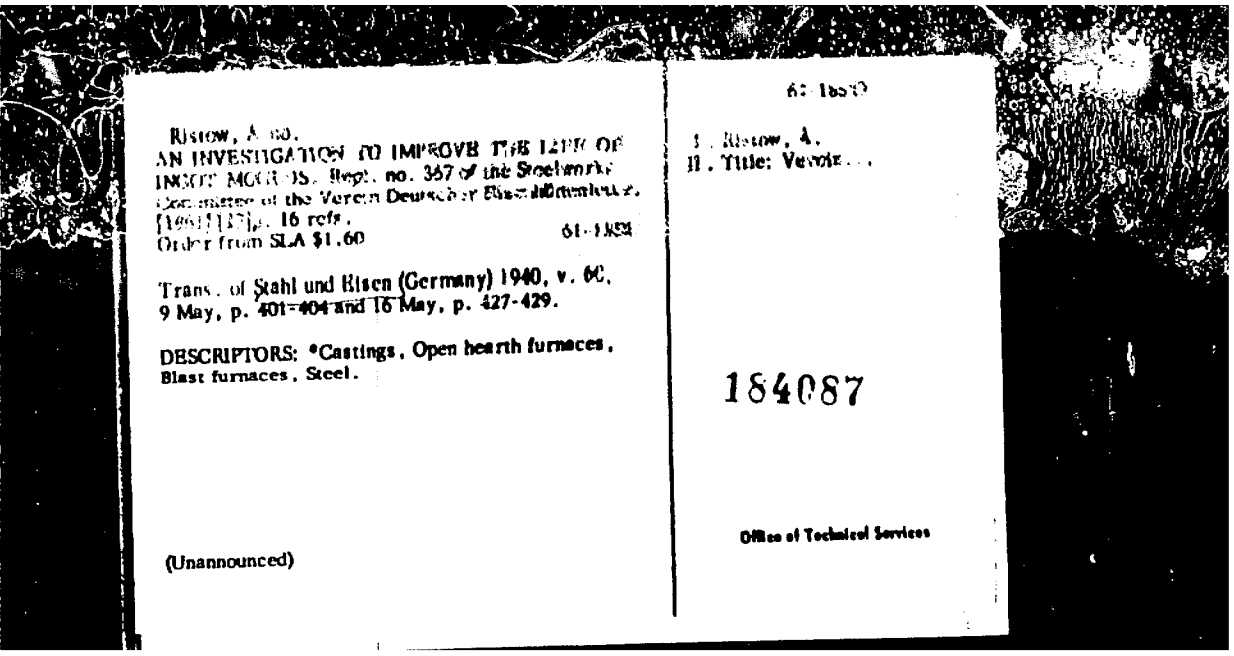

Ristow, A. ed.
AN INVESTIGATION TO IMPROVE THE LIFE OF INGOT MOULDS. Repr. no. 367 of the Steelworks Committee of the Verein Deutscher Eisenhüttenleute. [1941] 127p. 16 refs.
Order from SLA $1.60 61-1859

Trans. of Stahl und Eisen (Germany) 1940, v. 60, 9 May, p. 401-404 and 16 May, p. 427-429.

DESCRIPTORS: *Castings, Open hearth furnaces, Blast furnaces, Steel.

(Unannounced)

61-1859

I. Ristow, A.
II. Title: Versuc...

184087

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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Kieffer, Richard and Hotop, Werner.
THE PRESENT POSITION OF POWDER METALLURGY. [1961] 19p. 45 refs.
Order from SLA $1.60 61-18486

Trans. of Stahl und Eisen (Germany) 1940, v. 60, 13 June, p. 517-527.

DESCRIPTORS: *Powder metallurgy, Germany.

(Unannounced)

61-18486

I. Kieffer, R.
II. Hotop, W.

184061

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Eisermann, Friedrich.
THE PRODUCTION OF MILD STEELS IN THE ACID OPEN-HEARTH FURNACE WITH PARTICULAR CONSIDERATION OF THE MELTING PRACTICE.
Rept. no. 370 of the Steelworks Committee of the Verein Deutscher Eisenhüttenleute. [1961]
12p. 36 refs.
Order from SLA $1.60 61-18534

Trans. of Stahl und Eisen (Germany) 1940, v. 60, 18 July, p. 629-634.

DESCRIPTORS: *Steel, Production, Melting, Open hearth furnaces, *Slags, Chemical reactions.

(Unannounced)

61-18534

I. Eisermann, F.
II. Title: Verein...

184090

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Houdremont, Eduard, Bennek, Hubert, and Wentrup, Hanns.
THE EXPLORATION AND COMBATING OF THE INTER-CRYSTALLINE CORROSION OF UNALLOYED STEEL. Rept. no. 508 of the Steelworks Committee of the Verein Deutscher Eisenhüttenleute. [1961] [22]p. (6 figs. omitted) 54 refs.
Order from SLA $2.60 61-18532

Trans. of Stahl und Eisen (Germany) 1940, v. 60, 29 Aug, p. 757-763 and 5 Sep, p. 791-797.

DESCRIPTORS: *Steel, *Corrosion inhibition, Fracture (Mechanics), Corrosion research.

(Unannounced)

61-18532

I. Houdremont, E.
II. Bennek, H.
III. Wentrup, H.
IV. Title: Verein...

184089

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Report on Conference (on Hardmetals) of Professional Association of German Physicists, Berlin 1960, 1 pp.

GERMAN, per, Stahl und Eisen, No 60, 1940, pp 890-891.

Broken Hill Proprietary Co Ltd CRL/T 218

Sci
Nov 61

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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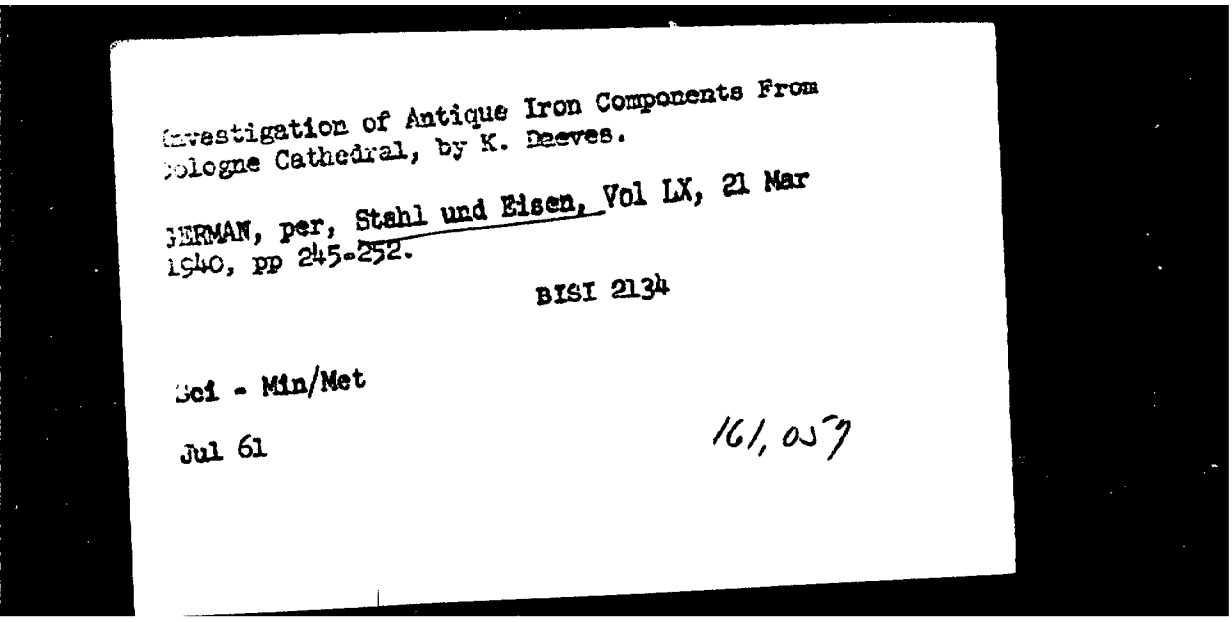

Investigation of Antique Iron Components From Cologne Cathedral, by K. Reeves.

GERMAN, per, Stahl und Eisen, Vol LX, 21 Mar 1940, pp 245-252.

BISI 2134

Sci - Min/Met

Jul 61

161,057

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Investigations on Ingot Mould Life, by A. Jellinghaus.

GERMAN. per, Stahl u Eisen, Vol LX, No 20, 1940, pp 432.

ASLIB-GB66

Sci

Jul 59

92,759

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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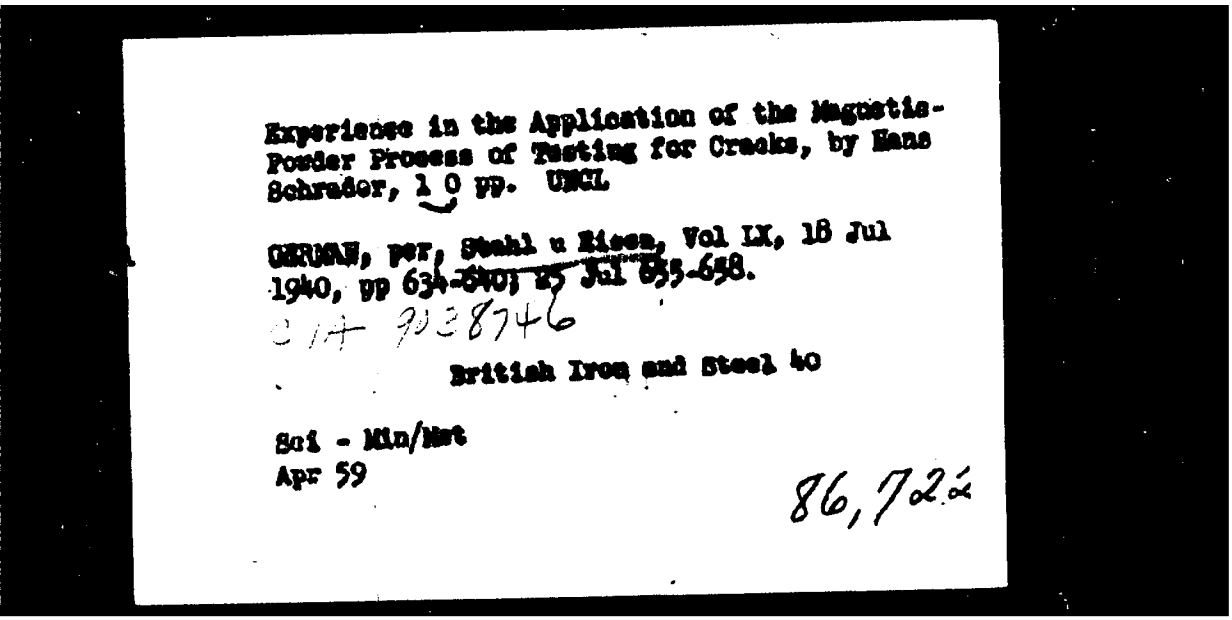


Experience in the Application of the Magnetic-Powder Process of Testing for Cracks, by Hans Schrader, 10 pp. UNCL

GERMAN, per, Stahl u Eisen, Vol LX, 18 Jul 1940, pp 634-640; 25 Jul 655-658.

CIA 923746

British Iron and Steel 40

Sci - Min/Met
Apr 59

86,724

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Corrosion Resistance of Zinc Electroplates, by M. Schlotter, 10 pp.

GERMAN, per, Stahl u Eisen, Vol LX, 1940, pp 724-727.

SLA 57-1043

May 58

63,873

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Acid-Resisting Steels, by H. J. Rocha, 2 pp.

GERMAN, per, Stahl u. Eisen, Vol LX, No 38, 19 Sep 1940, p 844.

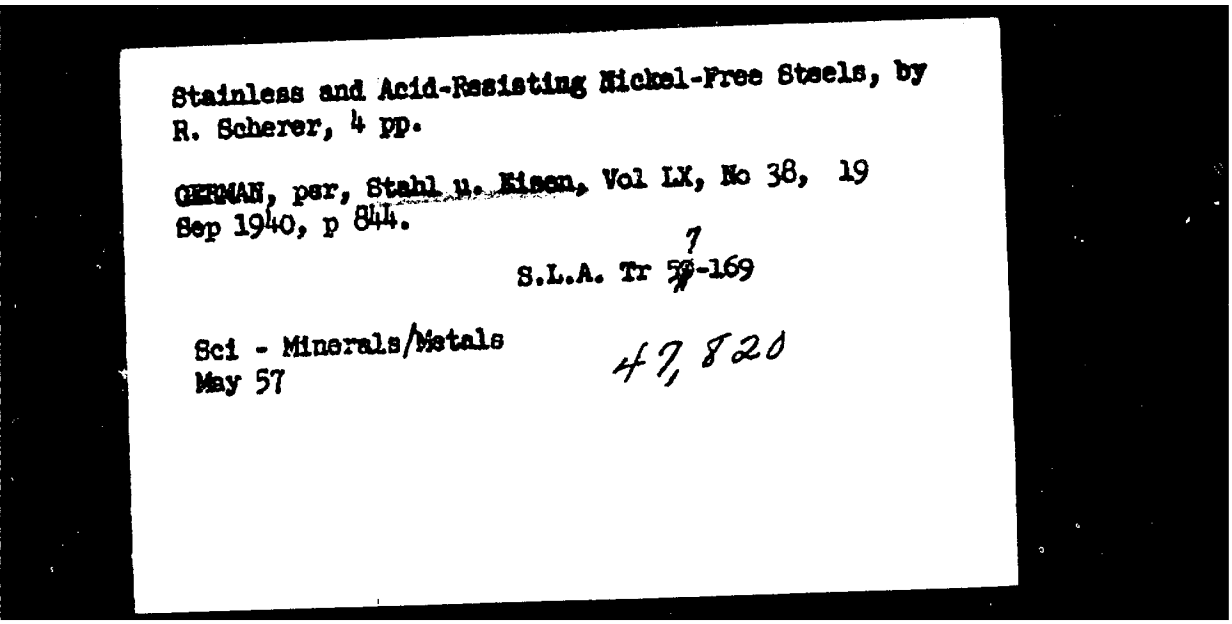
S.I.A. Tr 57-163

Sci - Minerals/Metals
May 57

47,817

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8



Stainless and Acid-Resisting Nickel-Free Steels, by R. Scherer, 4 pp.

GERMAN, per, Stahl u. Eisen, Vol LX, No 38, 19 Sep 1940, p 844.

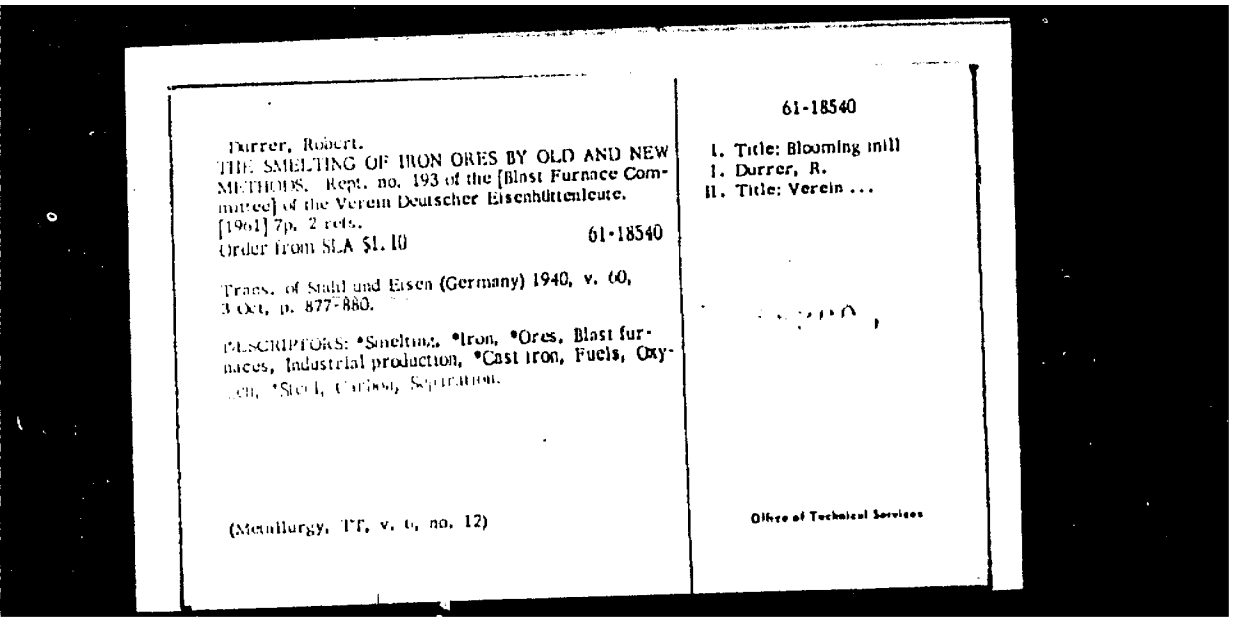
S.L.A. Tr 7-169

Sci - Minerals/Metals
May 57

47,820

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8



Durrer, Robert.
THE SMELTING OF IRON ORES BY OLD AND NEW METHODS. Rept. no. 193 of the [Blast Furnace Committee] of the Verein Deutscher Eisenhüttenleute. [1961] 7p. 2 refs.
Order from SLA $1.10 61-18540

Trans. of Stahl und Eisen (Germany) 1940, v. 60, 3 Oct, p. 877-880.

DESCRIPTORS: *Smelting, *Iron, *Ores, Blast furnaces, Industrial production, *Cast iron, Fuels, Oxygen, *Steel, Carbon, Separation.

(Metallurgy, TT, v. 6, no. 12)

61-18540

I. Title: Blooming mill
I. Durrer, R.
II. Title: Verein ...

Office of Technical Services

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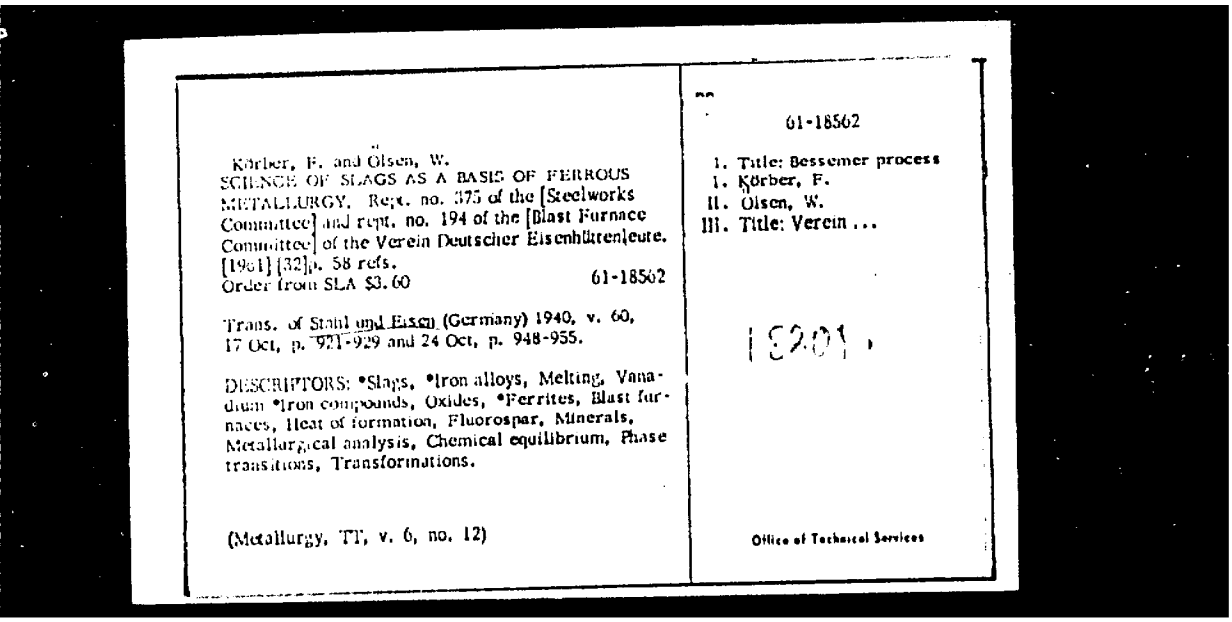
APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8



Körber, F. and Olsen, W.
SCIENCE OF SLAGS AS A BASIS OF FERROUS METALLURGY. Rept. no. 375 of the [Steelworks Committee] and rept. no. 194 of the [Blast Furnace Committee] of the Verein Deutscher Eisenhüttenleute. [1961] [32]p. 58 refs.
Order from SLA $3.60 61-18562

Trans. of Stahl und Eisen (Germany) 1940, v. 60, 17 Oct, p. 921-929 and 24 Oct, p. 948-955.

DESCRIPTORS: *Slags, *Iron alloys, Melting, Vanadium *Iron compounds, Oxides, *Ferrites, Blast furnaces, Heat of formation, Fluorospar, Minerals, Metallurgical analysis, Chemical equilibrium, Phase transitions, Transformations.

(Metallurgy, TT, v. 6, no. 12)

61-18562

1. Title: Bessemer process
I. Körber, F.
II. Olsen, W.
III. Title: Verein ...

[3201]

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

The Physical Behaviour of Ores and Additions in the Blast Furnace, by Fritz Hartmann.

GERMAN, per, Stahl und Eisen, Vol LX, 14 Nov 1940, pp 1021-1027.

SLA 61-18535

Sci

Mar 62

Vol VII, No 2

189,524

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Deep Cementation of Chrome-Molybdenum and Chrome-Manganese Case Hardening Steels in Salt Baths, by H. Diergarten, 19 pp.

GERMAN, per, Stahl u Eisen, Vol LX, No 46, Nov 1940, pp 1027-1037.

SLA 57-933

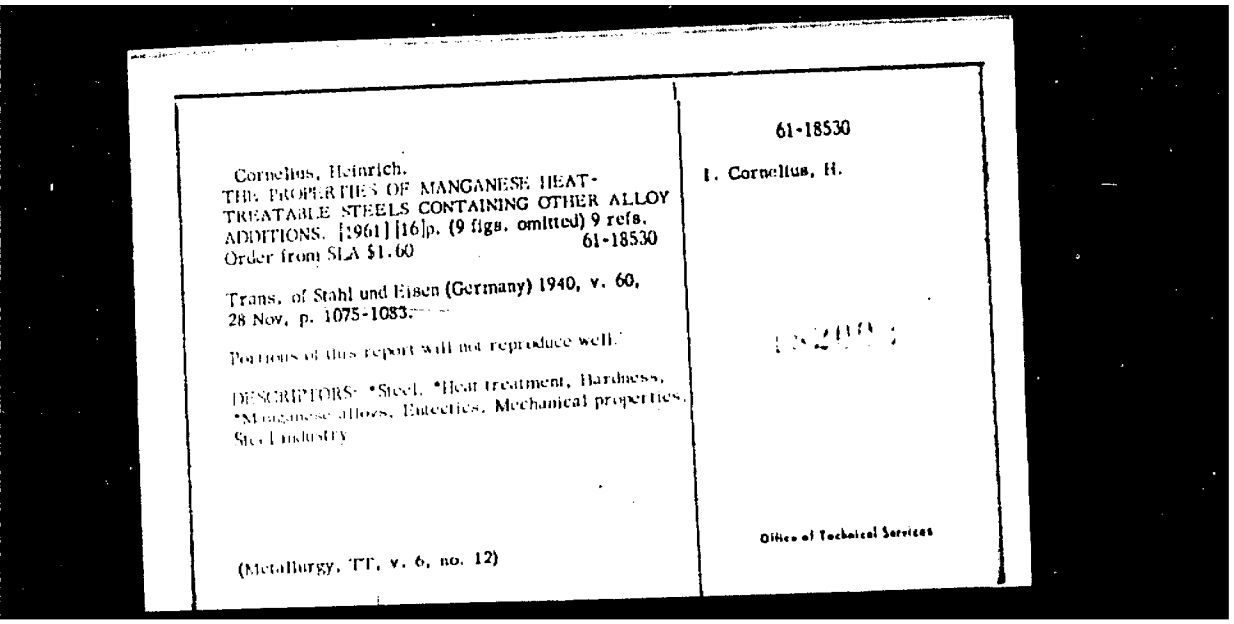
58,456

Sci - Min/Met

Feb 58

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8



Cornelius, Heinrich.
THE PROPERTIES OF MANGANESE HEAT-TREATABLE STEELS CONTAINING OTHER ALLOY ADDITIONS. [1961] [16]p. (9 figs. omitted) 9 refs. Order from SLA $1.60 61-18530

Trans. of Stahl und Eisen (Germany) 1940, v. 60, 28 Nov. p. 1075-1083.

Portions of this report will not reproduce well.

DESCRIPTORS: *Steel, *Heat treatment, Hardness, *Manganese alloys, Eutectics, Mechanical properties, Steel industry

(Metallurgy, TT, v. 6, no. 12)

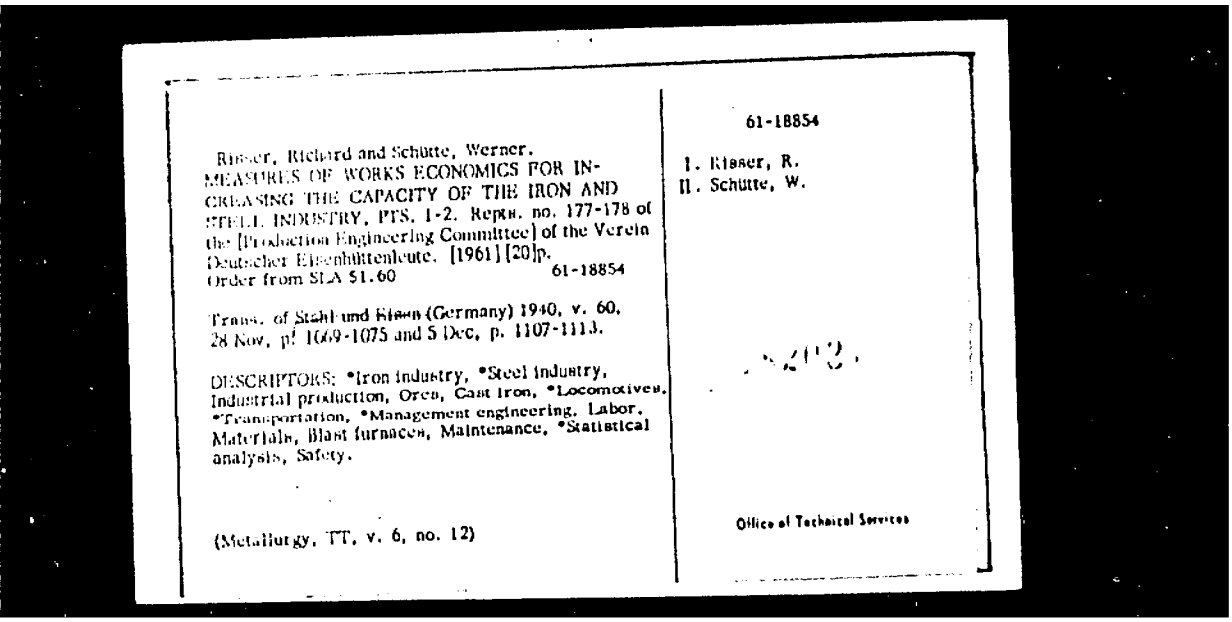
61-18530

I. Cornelius, H.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8



Risser, Richard and Schütte, Werner.
MEASURES OF WORKS ECONOMICS FOR INCREASING THE CAPACITY OF THE IRON AND STEEL INDUSTRY. PTS. 1-2. Repts. no. 177-178 of the [Production Engineering Committee] of the Verein Deutscher Eisenhüttenleute. [1961] [20]p.
Order from SLA 51.60 61-18854

Trans. of Stahl und Eisen (Germany) 1940, v. 60, 28 Nov, p. 1069-1075 and 5 Dec, p. 1107-1113.

DESCRIPTORS: *Iron industry, *Steel industry, Industrial production, Ores, Cast iron, *Locomotives, *Transportation, *Management engineering, Labor, Materials, Blast furnaces, Maintenance, *Statistical analysis, Safety.

(Metallurgy, TT, v. 6, no. 12)

61-18854

I. Risser, R.
II. Schütte, W.

Office of Technical Services

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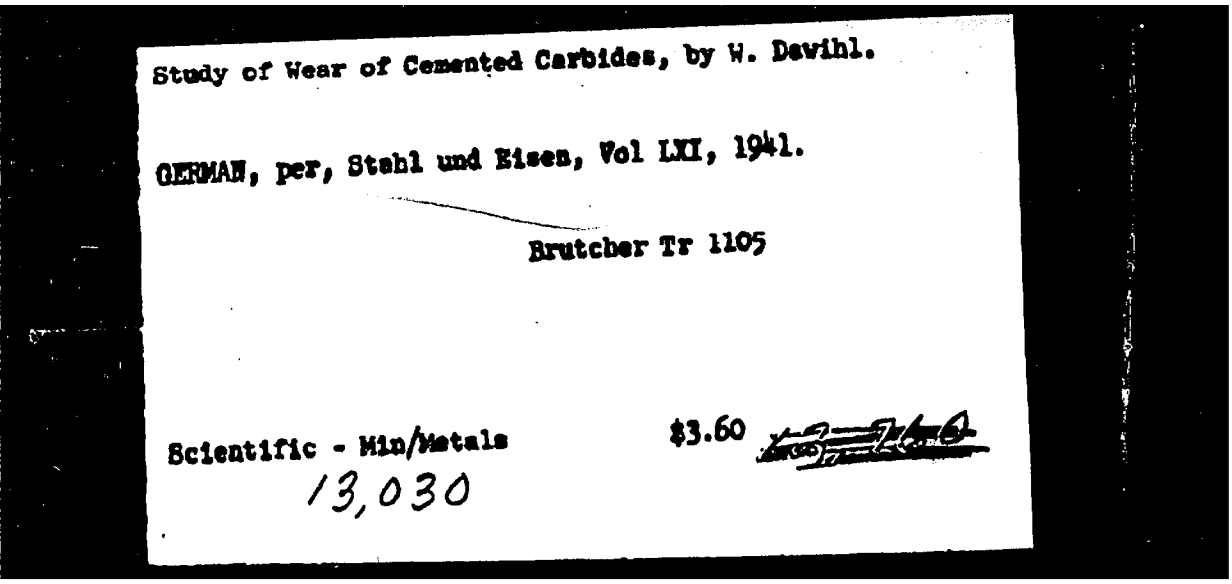

Study of Wear of Cemented Carbides, by W. Dawihl.

GERMAN, per, Stahl und Eisen, Vol LXI, 1941.

Brutcher Tr 1105

Scientific - Min/Metals

13,030

$3.60

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Sy, Albert L. de and Haemers, Hermann.
RAPID ELECTROLYTIC PROCESS FOR THE ETCH-POLISHING OF METAL SECTIONS. [1961] 7p.
(17 figs. omitted) 13 refs.
Order from SLA $1.10 61-18552

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 20 Feb, p. 185-187 and 14 Aug, p. 777-778.

DESCRIPTORS: *Electrolytic polishing, Electroerosive machining, *Photoengraving, Carbon, *Steel, Metal polishes, Surfaces, Cleaning, Electrolysis, Acetic anhydrides, Perchloric acid, *Stainless steel, *Aluminum polishes, Ethanols, Ethers, Alloys, Electrochemistry.

(Engineering--Chemical, TT, v. 6, no. 12)

61-18552

I. Sy, A. L. de
II. Haemers, H.

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Continuous Casting, by C. Keeson. UNCL

GERMAN, por, Stahl u Eisen, 24 Apr 1941, pp 409-416.

British Iron and Steel Ind
(no number given)

Sel - Mayr
Dep 59

98, 306

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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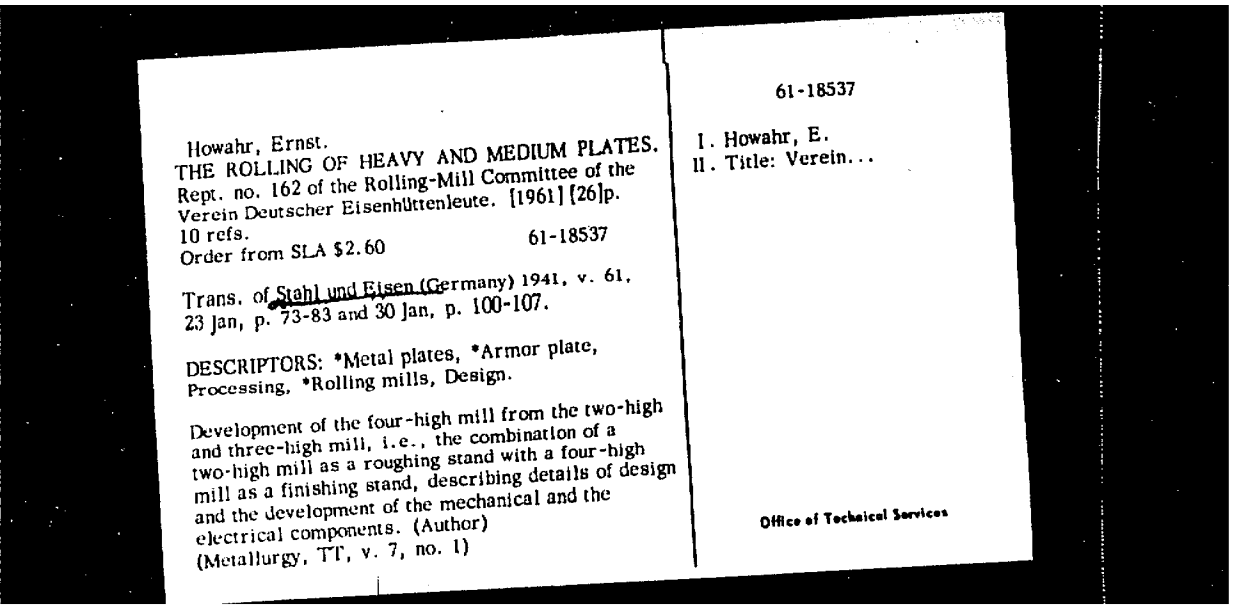

Howahr, Ernst.
THE ROLLING OF HEAVY AND MEDIUM PLATES. Rept. no. 162 of the Rolling-Mill Committee of the Verein Deutscher Eisenhüttenleute. [1961] [26]p.
10 refs.
Order from SLA $2.60 61-18537

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 23 Jan, p. 73-83 and 30 Jan, p. 100-107.

DESCRIPTORS: *Metal plates, *Armor plate, Processing, *Rolling mills, Design.

Development of the four-high mill from the two-high and three-high mill, i.e., the combination of a two-high mill as a roughing stand with a four-high mill as a finishing stand, describing details of design and the development of the mechanical and the electrical components. (Author)
(Metallurgy, TT, v. 7, no. 1)

61-18537

I. Howahr, E.
II. Title: Verein...

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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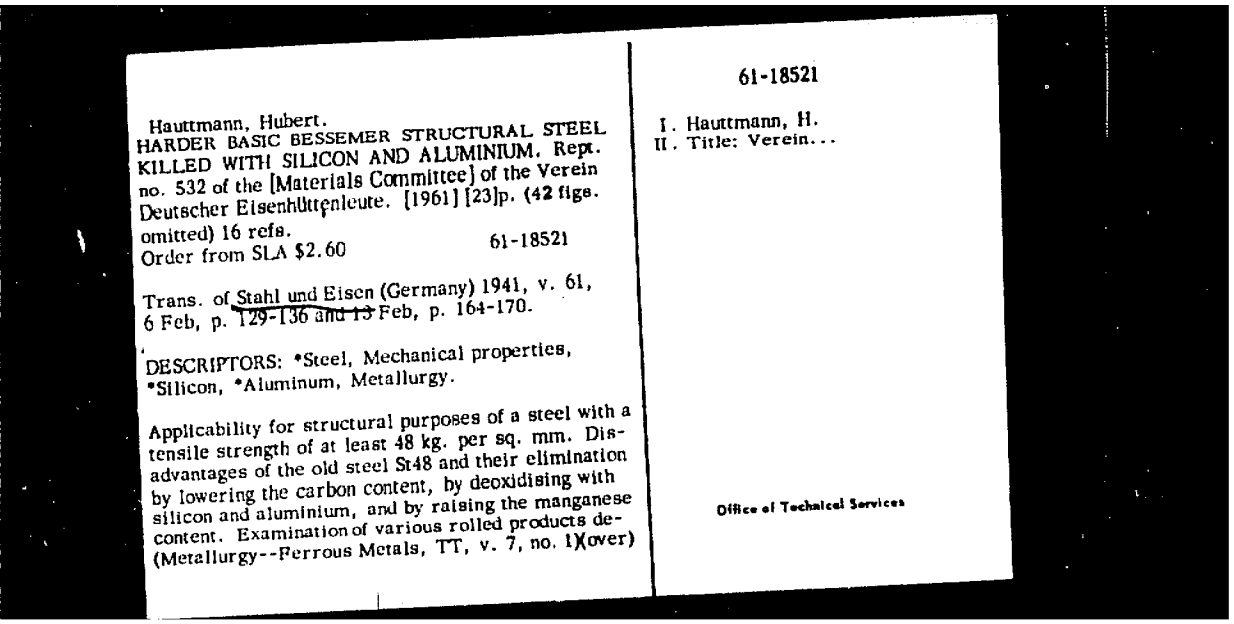

Hauttmann, Hubert.
HARDER BASIC BESSEMER STRUCTURAL STEEL KILLED WITH SILICON AND ALUMINIUM. Rept. no. 532 of the [Materials Committee] of the Verein Deutscher Eisenhüttenleute. [1961] [23]p. (42 figs. omitted) 16 refs.
Order from SLA $2.60 61-18521

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 6 Feb, p. 129-136 and 13 Feb, p. 164-170.

DESCRIPTORS: *Steel, Mechanical properties, *Silicon, *Aluminum, Metallurgy.

Applicability for structural purposes of a steel with a tensile strength of at least 48 kg. per sq. mm. Disadvantages of the old steel St48 and their elimination by lowering the carbon content, by deoxidising with silicon and aluminium, and by raising the manganese content. Examination of various rolled products de-
(Metallurgy--Ferrous Metals, TT, v. 7, no. 1)(over)

61-18521

I. Hauttmann, H.
II. Title: Verein...

Office of Technical Services

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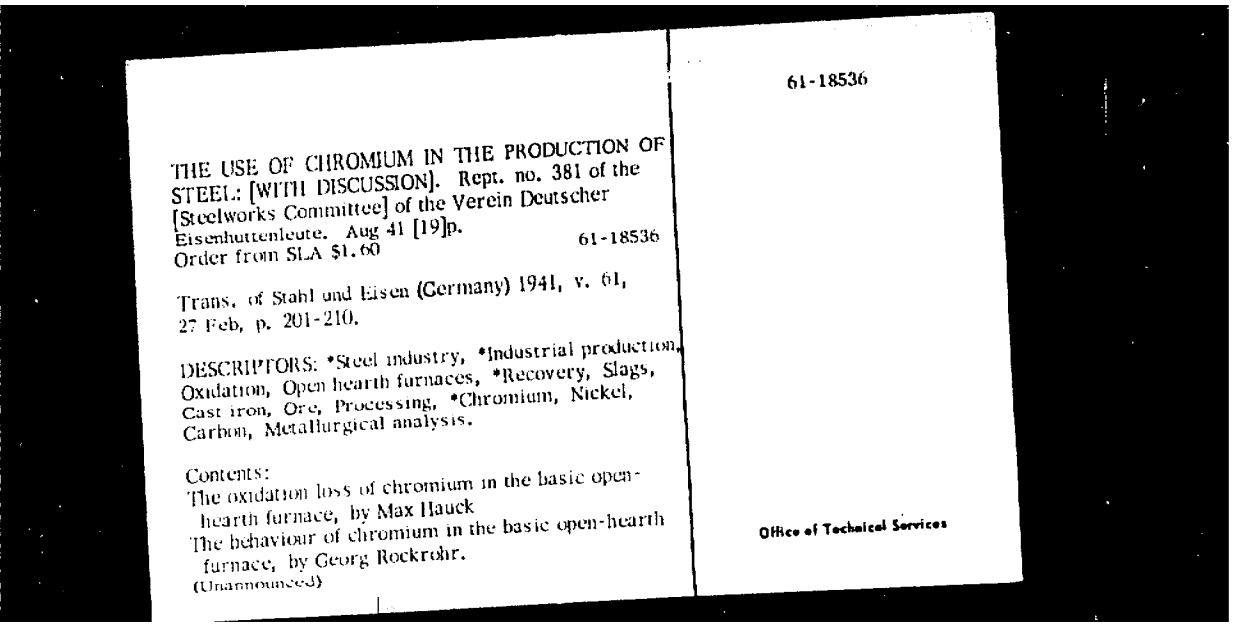

61-18536

THE USE OF CHROMIUM IN THE PRODUCTION OF STEEL: [WITH DISCUSSION]. Rept. no. 381 of the [Steelworks Committee] of the Verein Deutscher Eisenhuttenleute. Aug 41 [19]p.
Order from SLA $1.60 61-18536

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 27 Feb, p. 201-210.

DESCRIPTORS: *Steel industry, *Industrial production, Oxidation, Open hearth furnaces, *Recovery, Slags, Cast iron, Ore, Processing, *Chromium, Nickel, Carbon, Metallurgical analysis.

Contents:
The oxidation loss of chromium in the basic open-hearth furnace, by Max Hauck
The behaviour of chromium in the basic open-hearth furnace, by Georg Rockrohr.
(Unannounced)

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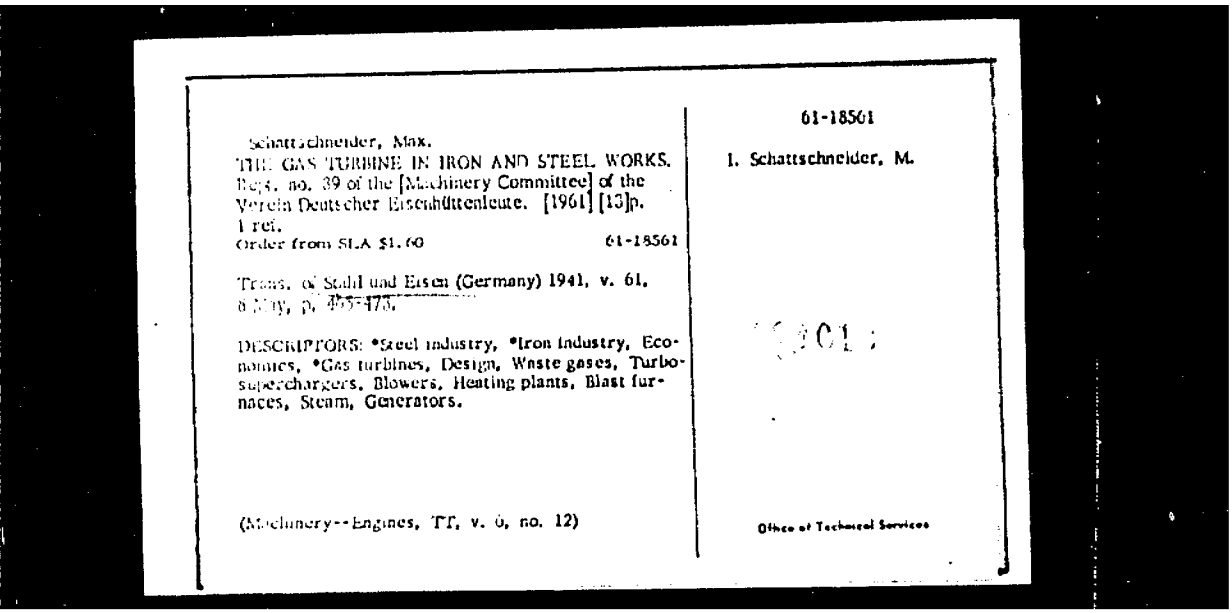

Schattschneider, Max.
THE GAS TURBINE IN IRON AND STEEL WORKS. Repr. no. 39 of the [Machinery Committee] of the Verein Deutscher Eisenhüttenleute. [1961] [13]p. 1 ref.
Order from SLA $1.60 61-18561

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 6 May, p. 453-473.

DESCRIPTORS: *Steel industry, *Iron industry, Economics, *Gas turbines, Design, Waste gases, Turbosuperchargers, Blowers, Heating plants, Blast furnaces, Steam, Generators.

(Machinery--Engines, TT, v. 6, no. 12)

61-18561

1. Schattschneider, M.

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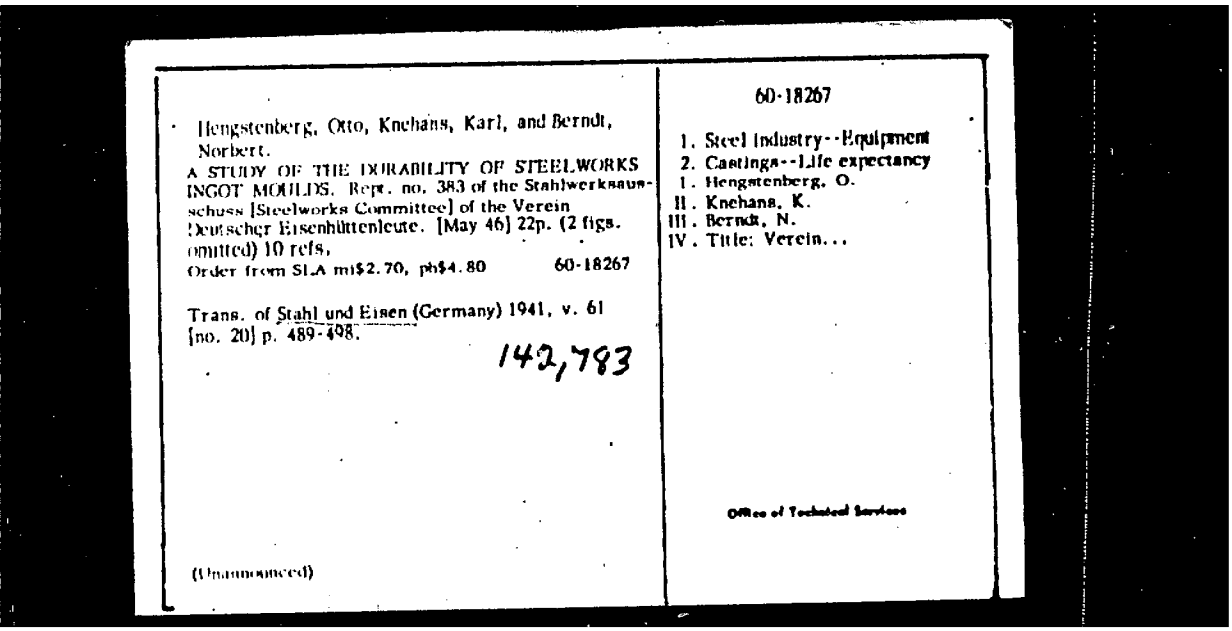

Hengstenberg, Otto, Knehans, Karl, and Berndt, Norbert.
A STUDY OF THE DURABILITY OF STEELWORKS INGOT MOULDS. Rept. no. 383 of the Stahlwerksausschuss [Steelworks Committee] of the Verein Deutscher Eisenhüttenleute. [May 46] 22p. (2 figs. omitted) 10 refs.
Order from SLA mi$2.70, ph$4.80 60-18267

Trans. of Stahl und Eisen (Germany) 1941, v. 61 [no. 20] p. 489-498.

142,783

(Unannounced)

60-18267

1. Steel Industry--Equipment
2. Castings--Life expectancy
I. Hengstenberg, O.
II. Knehans, K.
III. Berndt, N.
IV. Title: Verein...

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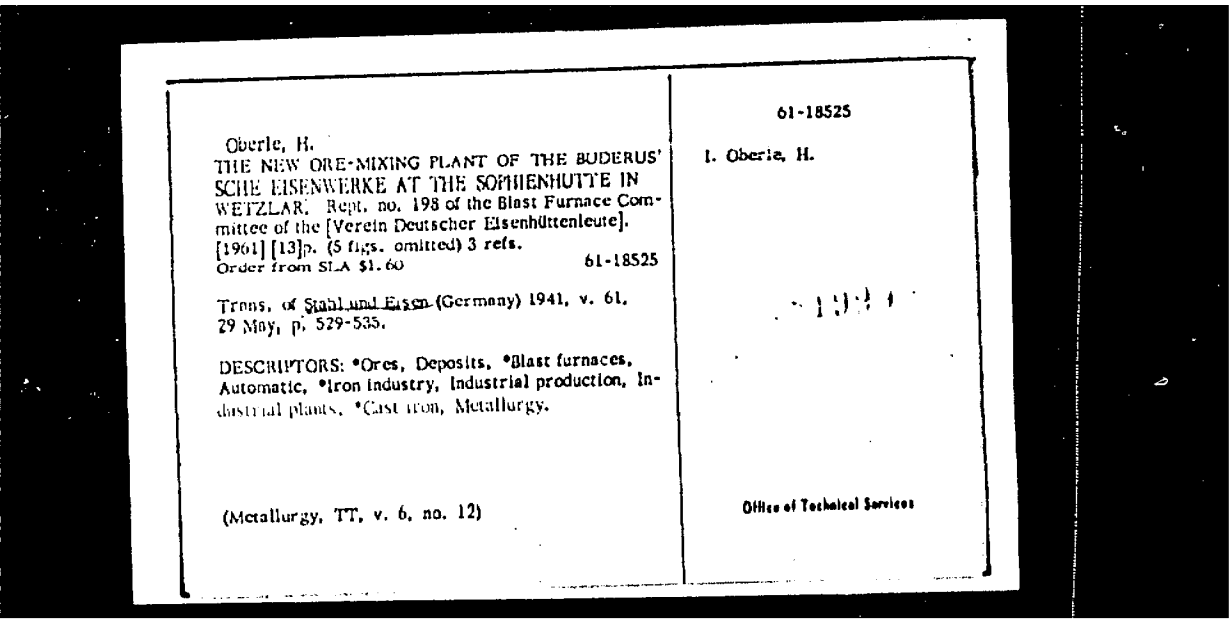

Oberle, H.
THE NEW ORE-MIXING PLANT OF THE BUDERUS' SCHE EISENWERKE AT THE SOPHIENHUTTE IN WETZLAR. Rept. no. 198 of the Blast Furnace Committee of the [Verein Deutscher Eisenhüttenleute]. [1961] [13]p. (5 figs. omitted) 3 refs.
Order from SLA $1.60 61-18525

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 29 May, p. 529-535.

DESCRIPTORS: *Ores, Deposits, *Blast furnaces, Automatic, *Iron industry, Industrial production, Industrial plants, *Cast iron, Metallurgy.

(Metallurgy, TT, v. 6, no. 12)

61-18525

I. Oberle, H.

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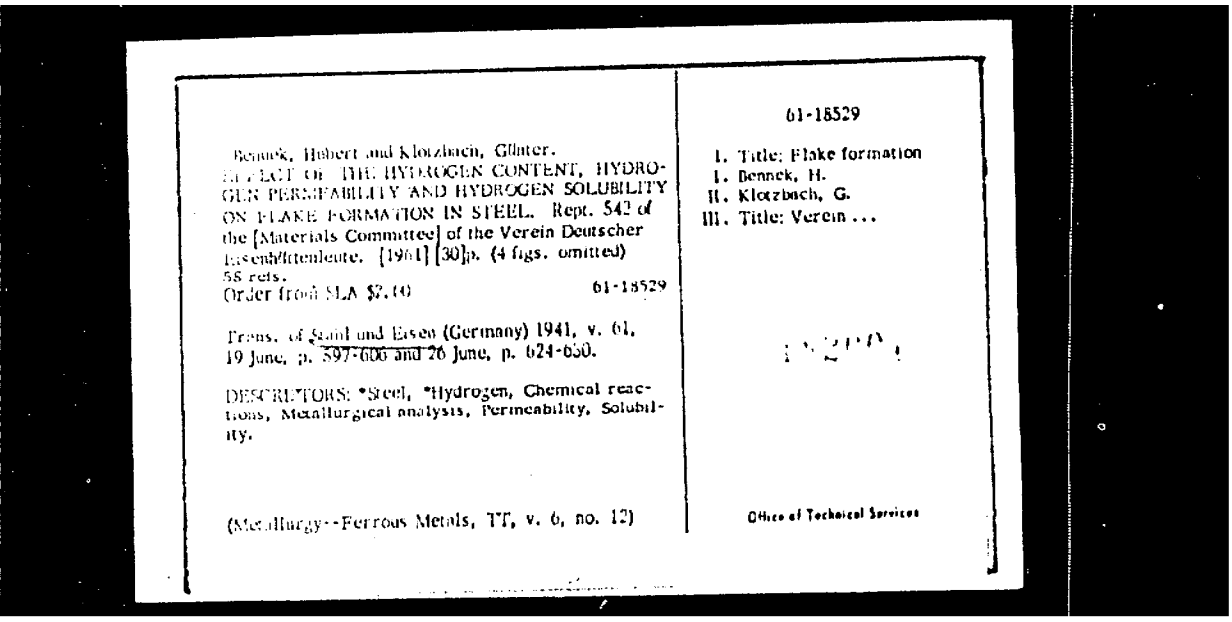

Bennek, Hebert and Klotzbach, Günter.
EFFECT OF THE HYDROGEN CONTENT, HYDROGEN PERMEABILITY AND HYDROGEN SOLUBILITY ON FLAKE FORMATION IN STEEL. Rept. 542 of the [Materials Committee] of the Verein Deutscher Eisenhüttenleute. [1961] [30]p. (4 figs. omitted) 58 refs.
Order from SLA $2.40 61-18529

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 19 June, p. 597-600 and 26 June, p. 624-630.

DESCRIPTORS: *Steel, *Hydrogen, Chemical reactions, Metallurgical analysis, Permeability, Solubility.

(Metallurgy--Ferrous Metals, TT, v. 6, no. 12)

61-18529

I. Title: Flake formation
I. Bennek, H.
II. Klotzbach, G.
III. Title: Verein ...

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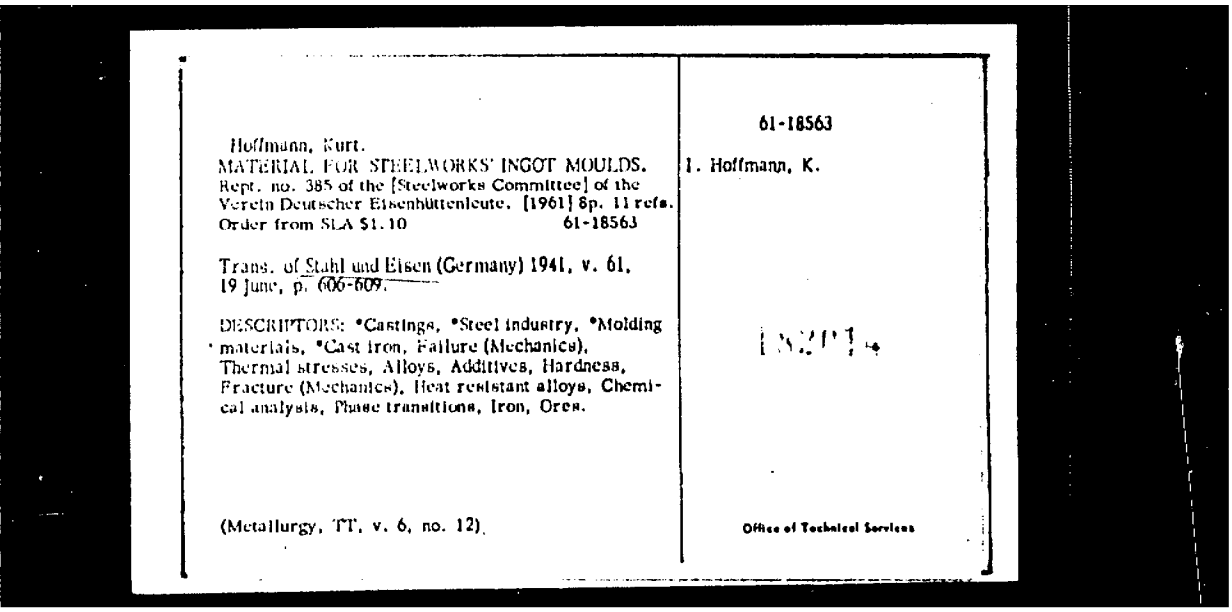

61-18563

Hoffmann, Kurt.
MATERIAL FOR STEELWORKS' INGOT MOULDS.
Rept. no. 385 of the [Steelworks Committee] of the Verein Deutscher Eisenhüttenleute. [1961] 8p. 11 refs.
Order from SLA $1.10 61-18563

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 19 June, p. 606-609.

DESCRIPTORS: *Castings, *Steel industry, *Molding materials, *Cast iron, Failure (Mechanics), Thermal stresses, Alloys, Additives, Hardness, Fracture (Mechanics), Heat resistant alloys, Chemical analysis, Phase transitions, Iron, Ores.

(Metallurgy, TT, v. 6, no. 12).

1. Hoffmann, K.

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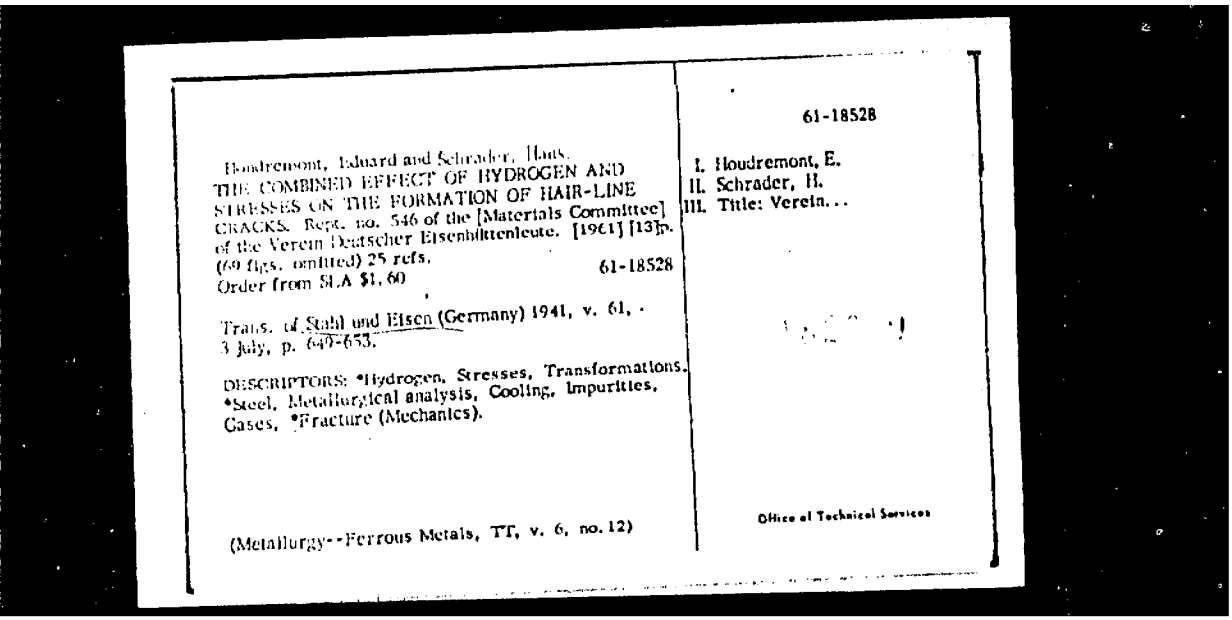

Houdremont, Eduard and Schrader, Hans.
THE COMBINED EFFECT OF HYDROGEN AND STRESSES ON THE FORMATION OF HAIR-LINE CRACKS. Repr. no. 546 of the [Materials Committee] of the Verein Deutscher Eisenhüttenleute. [1941] [13]p. (69 figs. omitted) 25 refs.
Order from SLA $1.60 61-18528

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 3 July, p. 649-653.

DESCRIPTORS: *Hydrogen, Stresses, Transformations, *Steel, Metallurgical analysis, Cooling, Impurities, Gases, *Fracture (Mechanics).

(Metallurgy--Ferrous Metals, TT, v. 6, no. 12)

61-18528

I. Houdremont, E.
II. Schrader, H.
III. Title: Verein...

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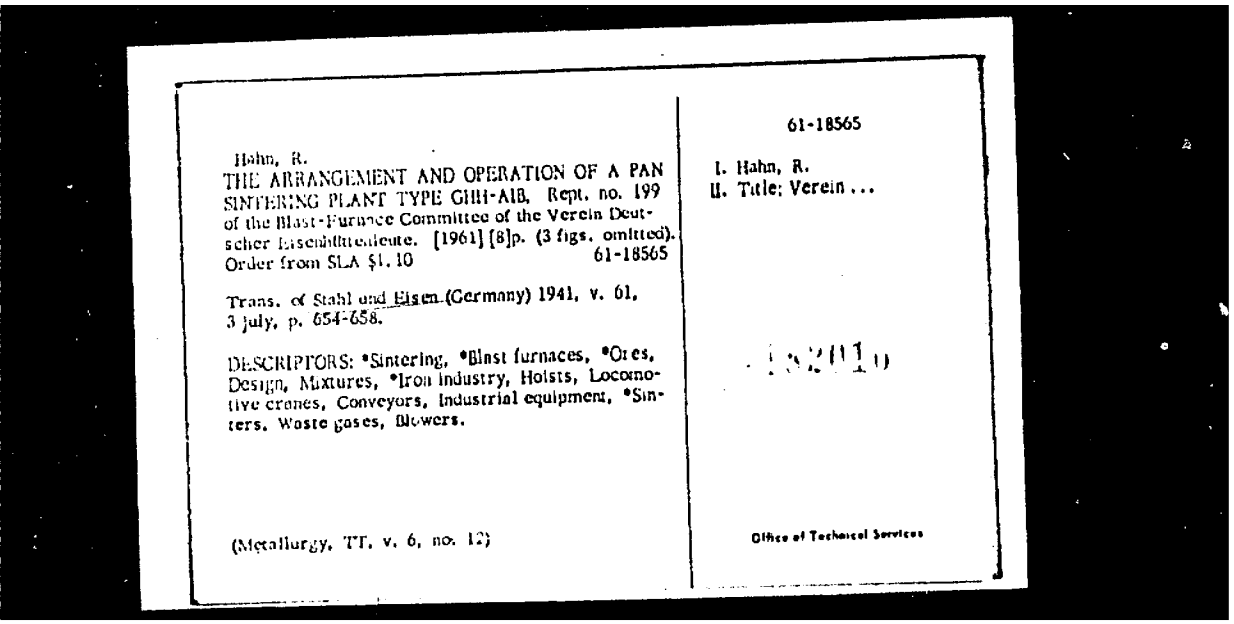

Hahn, R.
THE ARRANGEMENT AND OPERATION OF A PAN SINTERING PLANT TYPE GHH-AIB, Rept. no. 199 of the Blast-Furnace Committee of the Verein Deutscher Eisenhüttenleute. [1961] [8]p. (3 figs. omitted). Order from SLA $1.10 61-18565

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 3 July, p. 654-658.

DESCRIPTORS: *Sintering, *Blast furnaces, *Ores, Design, Mixtures, *Iron industry, Hoists, Locomotive cranes, Conveyors, Industrial equipment, *Sinters, Waste gases, Blowers.

(Metallurgy, TT, v. 6, no. 12)

61-18565

I. Hahn, R.
II. Title: Verein ...

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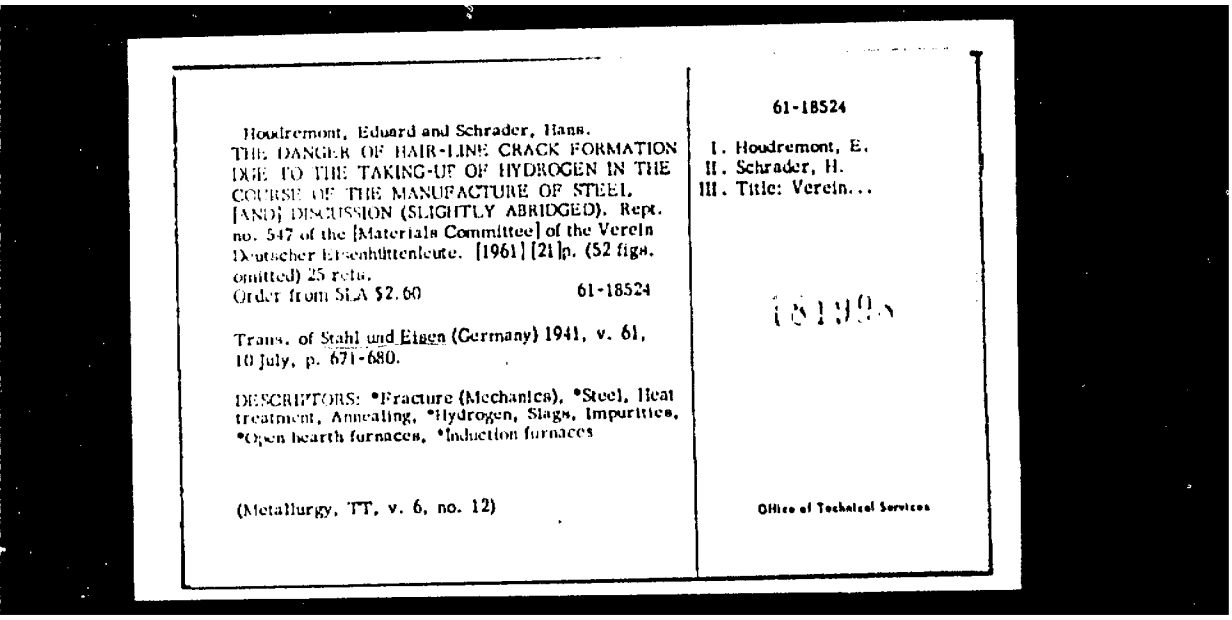

Houdremont, Eduard and Schrader, Hans.
THE DANGER OF HAIR-LINE CRACK FORMATION DUE TO THE TAKING-UP OF HYDROGEN IN THE COURSE OF THE MANUFACTURE OF STEEL. [AND] DISCUSSION (SLIGHTLY ABRIDGED). Rept. no. 547 of the [Materials Committee] of the Verein Deutscher Eisenhüttenleute. [1961] [21]p. (52 figs. omitted) 25 refs.
Order from SLA $2.60 61-18524

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 10 July, p. 671-680.

DESCRIPTORS: *Fracture (Mechanics), *Steel, Heat treatment, Annealing, *Hydrogen, Slags, Impurities, *Open hearth furnaces, *Induction furnaces

(Metallurgy, TT, v. 6, no. 12)

61-18524

I. Houdremont, E.
II. Schrader, H.
III. Title: Verein...

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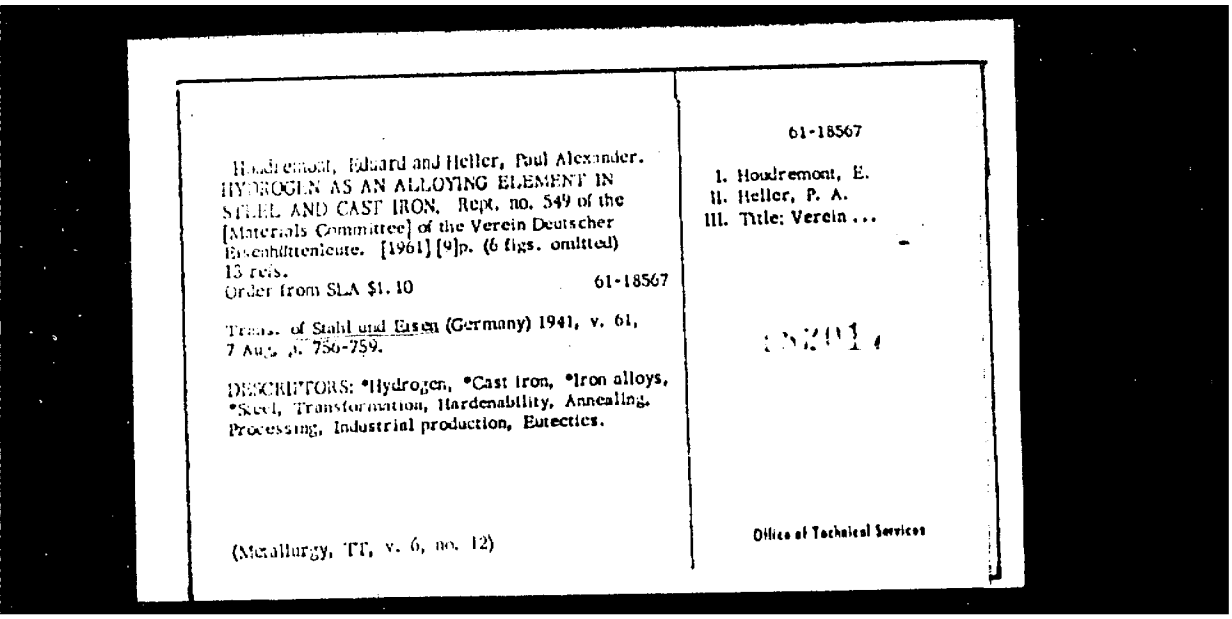
APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8



Houdremont, Eduard and Heller, Paul Alexander. HYDROGEN AS AN ALLOYING ELEMENT IN STEEL AND CAST IRON. Rept. no. 549 of the [Materials Committee] of the Verein Deutscher Eisenhüttenleute. [1961] [9]p. (6 figs. omitted) 13 refs.
Order from SLA $1.10 61-18567

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 7 Aug., p. 756-759.

DESCRIPTORS: *Hydrogen, *Cast iron, *Iron alloys, *Steel, Transformation, Hardenability, Annealing, Processing, Industrial production, Eutectics.

(Metallurgy, TT, v. 6, no. 12)

61-18567

I. Houdremont, E.
II. Heller, P. A.
III. Title: Verein ...

Office of Technical Services

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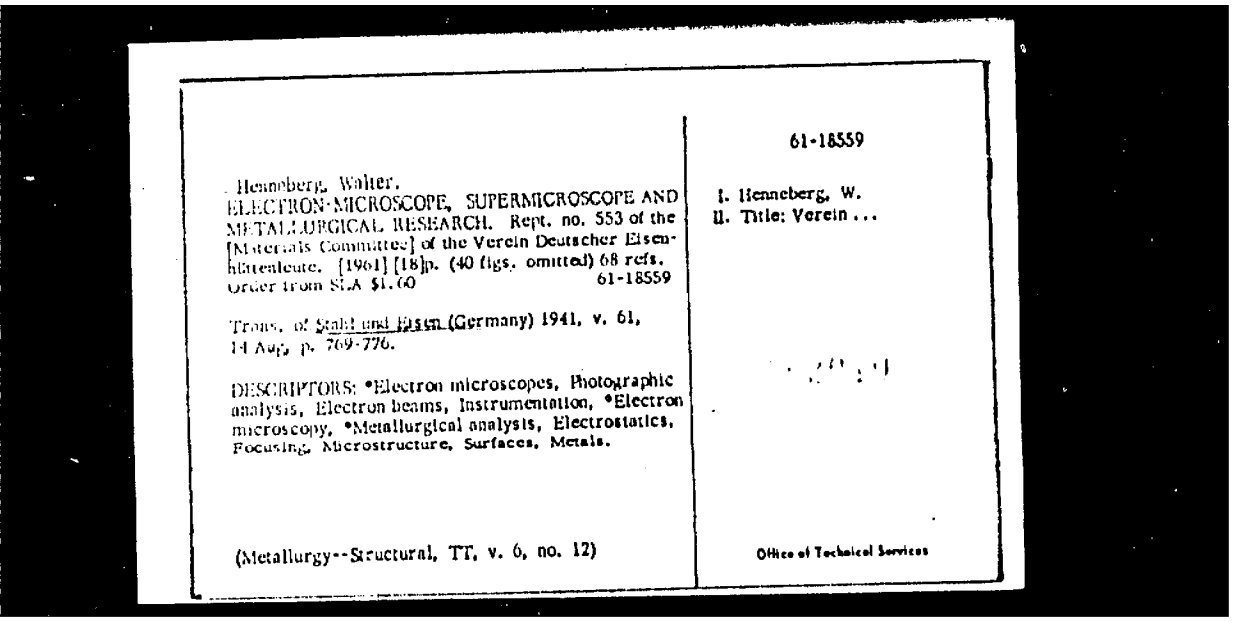
APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8



Henneberg, Walter.
ELECTRON-MICROSCOPE, SUPERMICROSCOPE AND METALLURGICAL RESEARCH. Rept. no. 553 of the [Materials Committee] of the Verein Deutscher Eisenhüttenleute. [1961] [18]p. (40 figs. omitted) 68 refs. Order from SLA $1.60 61-18559

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 14 Aug, p. 769-776.

DESCRIPTORS: *Electron microscopes, Photographic analysis, Electron beams, Instrumentation, *Electron microscopy, *Metallurgical analysis, Electrostatics, Focusing, Microstructure, Surfaces, Metals.

(Metallurgy--Structural, TT, v. 6, no. 12)

61-18559

I. Henneberg, W.
II. Title: Verein ...

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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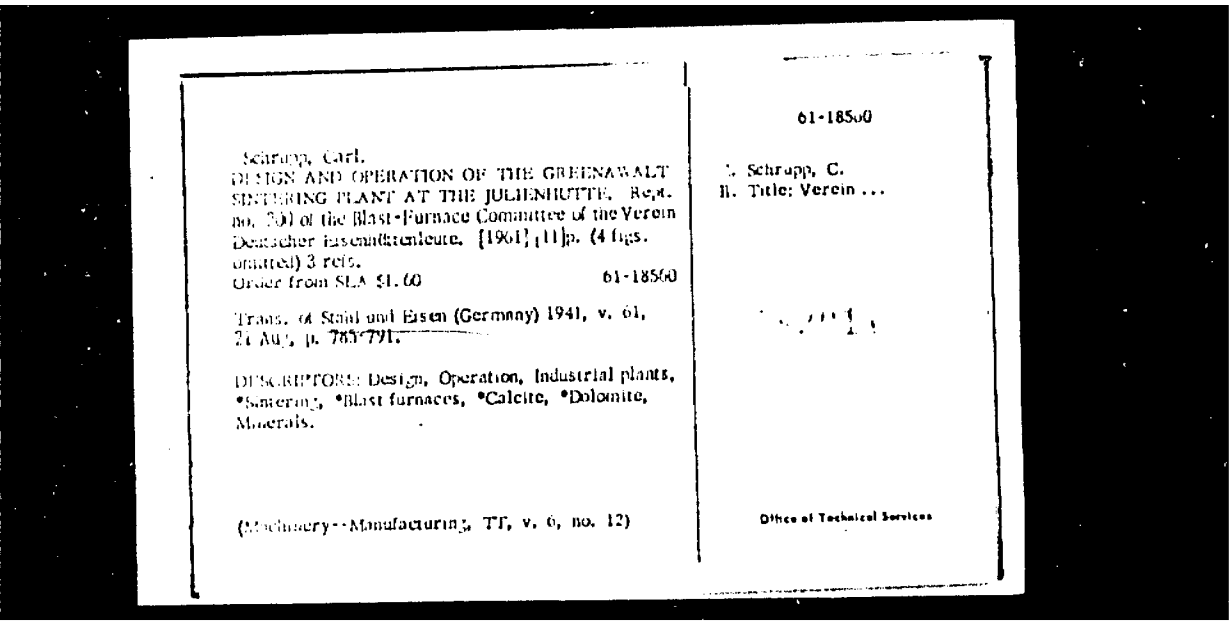

Schrupp, Carl.
DESIGN AND OPERATION OF THE GREENAWALT SINTERING PLANT AT THE JULIENHUTTE. Repr. no. 50 of the Blast-Furnace Committee of the Verein Deutscher Eisenhüttenleute. [1961] [11]p. (4 figs. omitted) 3 refs.
Order from SLA $1.60 61-18560

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 24 Aug., p. 785-791.

DESCRIPTORS: Design, Operation, Industrial plants, *Sintering, *Blast furnaces, *Calcite, *Dolomite, Minerals.

(Machinery--Manufacturing, TT, v. 6, no. 12)

61-18560

1. Schrupp, C.
II. Title: Verein ...

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Hauttmann, Hubert.
BASIC BESSEMER STEEL KILLED WITH SILICON AND ALUMINIUM FOR SHIPS' RIVETS. [1961] [11]p. (+ figs. omitted) 4 refs.
Order from SLA $1.60 61-18564

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 28 Aug. p. 801-806.

DESCRIPTORS: Open hearth furnaces, *Steel, Mechanical properties, Silicon, Aluminum, Deoxidation, *Reinforcing steel; Blast furnaces, Blowers, Chemical analysis, Metallurgy, *Ship plates, *Rivets, Sheets, Metal screws.

(Metallurgy, TT, v. 6, no. 12)

61-13564

1. Title: Bessemer process
I. Hauttmann, H.

Office of Technical Services

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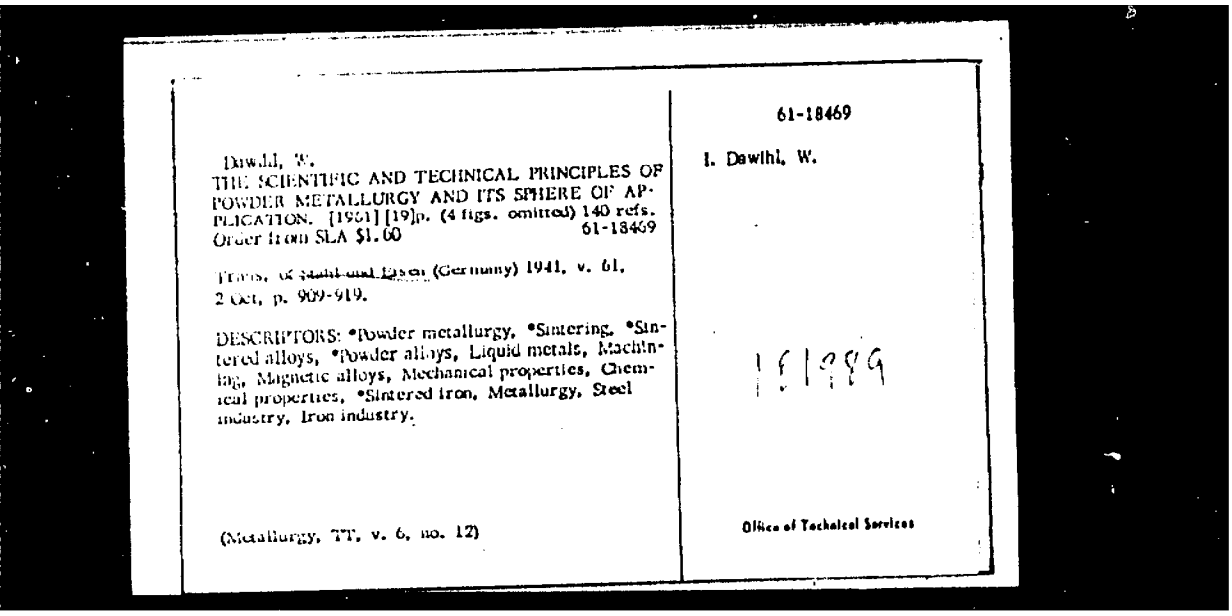

Dawihl, W.
THE SCIENTIFIC AND TECHNICAL PRINCIPLES OF POWDER METALLURGY AND ITS SPHERE OF APPLICATION. [1961] [19]p. (4 figs. omitted) 140 refs. Order from SLA $1.00 61-18469

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 2 Oct, p. 909-919.

DESCRIPTORS: *Powder metallurgy, *Sintering, *Sintered alloys, *Powder alloys, Liquid metals, Machining, Magnetic alloys, Mechanical properties, Chemical properties, *Sintered iron, Metallurgy, Steel industry, Iron industry.

(Metallurgy, TT, v. 6, no. 12)

61-18469

I. Dawihl, W.

161999

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V

The Development of the Open-Hearth Process at Witkow
by Alfred Rotter, 39 pp.

GERMAN, per, Stahl und Eisen, Vol LXI, 9 Oct 1941, pp 929-937, 16 Oct 1941, pp 949-956.

S.L.A. Tr 569/1955

Sci - Minerals/Metals
Mar 1957 CTS/dex

50,223

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

The Production of Steel From Pig Iron and Scrap, by H. Bansen.

GERMAN, per, Stahl und Eisen, Vol LXI, No 13, 1941.

Brutcher Tr 1559

Scientific - Min/Metals $3.40

12,943

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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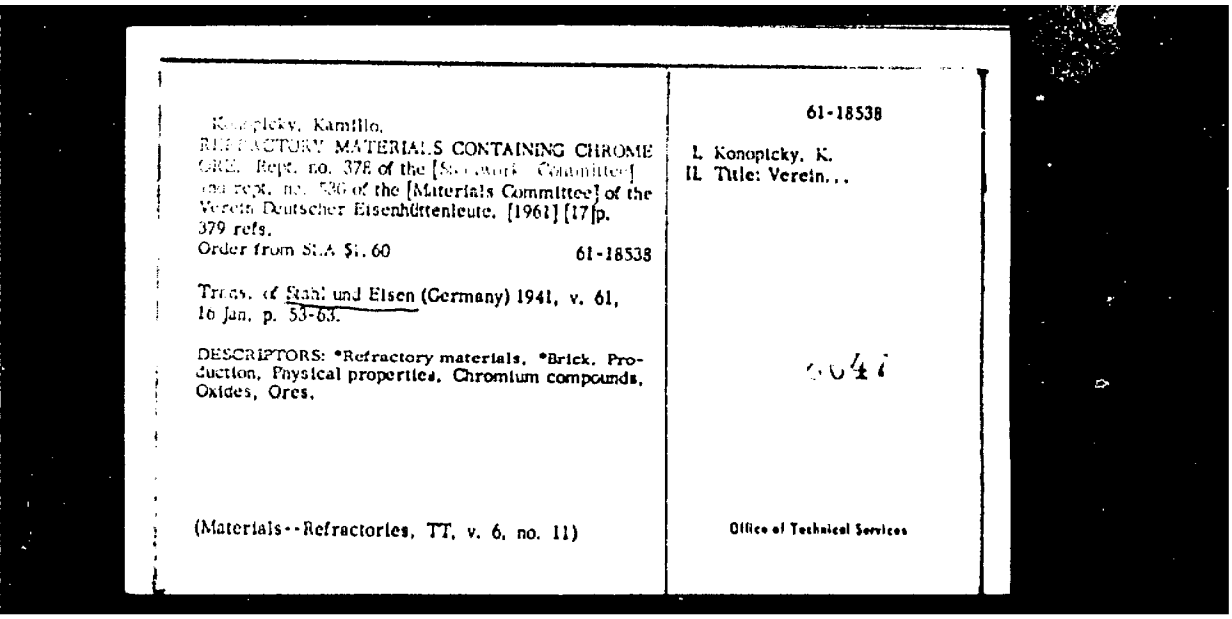

Konopicky, Kamillo.
REFRACTORY MATERIALS CONTAINING CHROME ORE. Repr. no. 378 of the [Steel-work Committee] and repr. no. 530 of the [Materials Committee] of the Verein Deutscher Eisenhüttenleute. [1961] [17]p. 379 refs.
Order from SLA $1.60 61-18538

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 16 Jan. p. 53-63.

DESCRIPTORS: *Refractory materials, *Brick, Production, Physical properties, Chromium compounds, Oxides, Ores.

(Materials--Refractories, TT, v. 6, no. 11)

61-18538

I. Konopicky, K.
II. Title: Verein...

6047

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Kauchtschischwili, Michael.
THE PRODUCTION OF PIG IRON IN THE LOW-SHAFT ELECTRIC FURNACE. [1961] 6p. 7 refs.
Order from SLA $1.10 61-18493

Trans. of Stahl und Eisen (Germany) 1941, v. 61, 13 Nov, p. 1033-1035.

DESCRIPTORS: *Cast iron, *Induction heating, Smelting, Iron, Ores, *Steel, *Electric arcs, *Electric furnaces, Furnaces.

(Metallurgy, TT, v. 6, no. 12)

61-18493

I. Kauchtschischwili, M.

Office of Technical Services

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New Armour Plate Rolling Mill, by F. Munker.
SECL

GERMAN, per, Stahl u Eisen, No 49, 4 Dec 1941,
pp 1101-1107.

British Iron and Steel Ind
(no number given)

Sci - Engr
Sep 59

98,305

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Recent Developments in the Production of Sintered Magnets of Iron-Nickel-Aluminum Alloys, by W. Hotop.

GERMAN, per, Stahl u Eisen, Vol LXI, 4 Dec 1941, pp 1105-1109.

ASLIB-GB39

Sci

Jul 59

92,717

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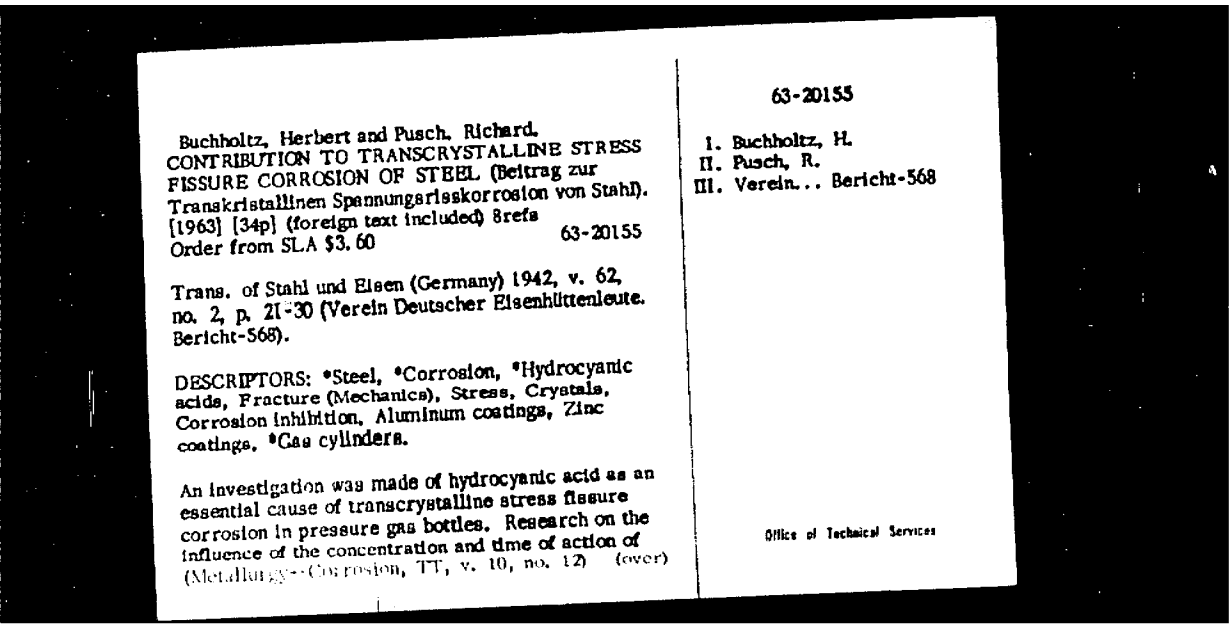

Buchholtz, Herbert and Pusch, Richard.
CONTRIBUTION TO TRANSCRYSTALLINE STRESS FISSURE CORROSION OF STEEL (Beitrag zur Transkristallinen Spannungarisskorrosion von Stahl). [1963] [34p] (foreign text included) 8refs
Order from SLA $3.60 63-20155

Trans. of Stahl und Eisen (Germany) 1942, v. 62, no. 2, p. 21-30 (Verein Deutscher Eisenhüttenleute. Bericht-568).

DESCRIPTORS: *Steel, *Corrosion, *Hydrocyanic acids, Fracture (Mechanics), Stress, Crystals, Corrosion inhibition, Aluminum coatings, Zinc coatings, *Gas cylinders.

An investigation was made of hydrocyanic acid as an essential cause of transcrystalline stress fissure corrosion in pressure gas bottles. Research on the influence of the concentration and time of action of (Metallurgy--Corrosion, TT, v. 10, no. 12) (over)

63-20155

I. Buchholtz, H.
II. Pusch, R.
III. Verein... Bericht-568

Office of Technical Services

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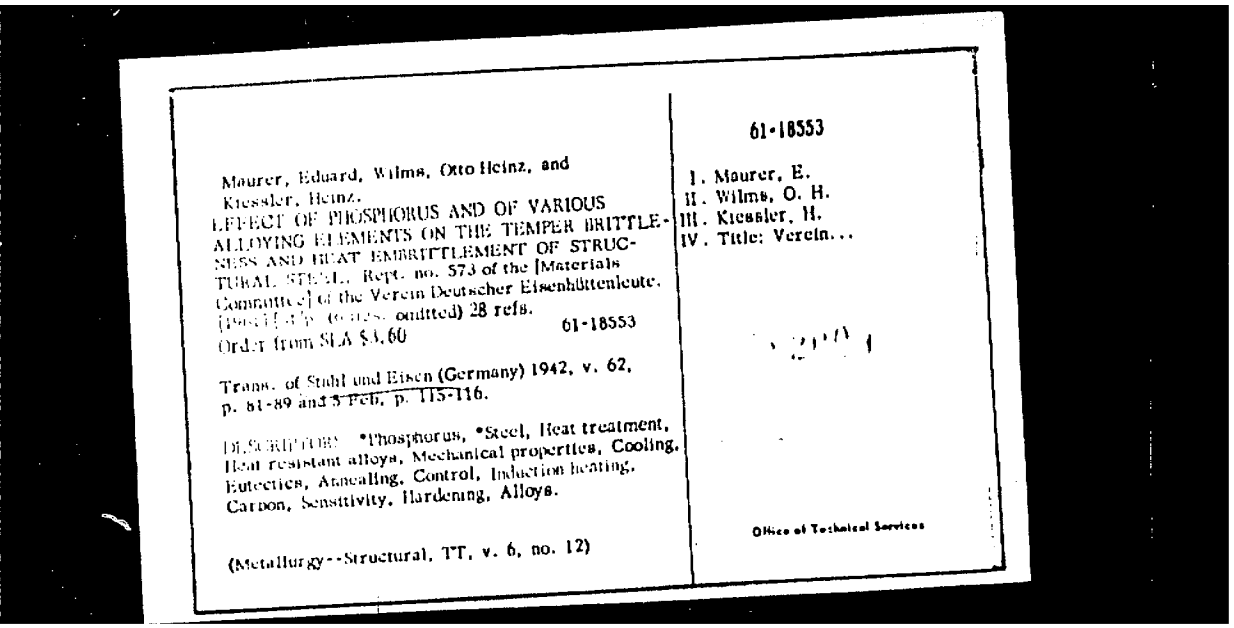

Maurer, Eduard, Wilms, Otto Heinz, and Kiessler, Heinz.
EFFECT OF PHOSPHORUS AND OF VARIOUS ALLOYING ELEMENTS ON THE TEMPER BRITTLENESS AND HEAT EMBRITTLEMENT OF STRUCTURAL STEEL. Rept. no. 573 of the [Materials Committee] of the Verein Deutscher Eisenhüttenleute. [Düsseldorf] (Cross omitted) 28 refs.
Order from SLA $3.60 61-18553

Trans. of Stahl und Eisen (Germany) 1942, v. 62, p. 81-89 and 5 Feb, p. 115-116.

DESCRIPTORS: *Phosphorus, *Steel, Heat treatment, Heat resistant alloys, Mechanical properties, Cooling, Eutectics, Annealing, Control, Induction heating, Carbon, Sensitivity, Hardening, Alloys.

(Metallurgy--Structural, TT, v. 6, no. 12)

61-18553

I. Maurer, E.
II. Wilms, O. H.
III. Kiessler, H.
IV. Title: Verein...

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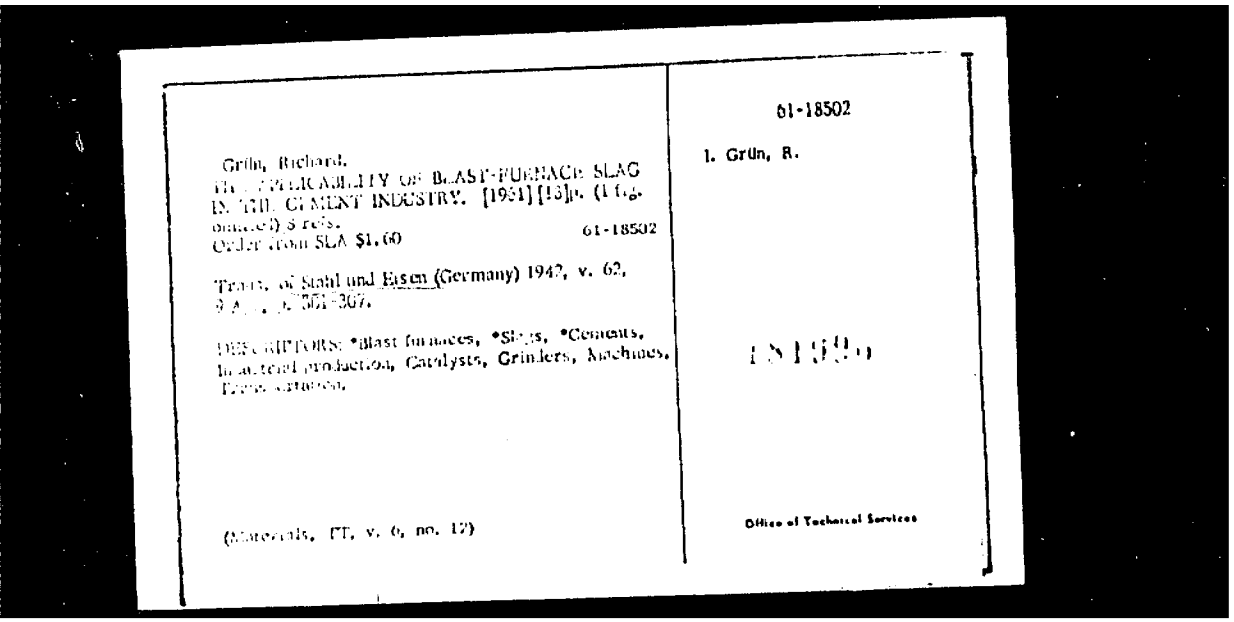

Grün, Richard.
[illegible] OF BLAST-FURNACE SLAG IN THE CEMENT INDUSTRY. [1951] [13]p. (U.S. Office of Tech. Servs.
Order from SLA $1.60 61-18502

Trans. of Stahl und Eisen (Germany) 1942, v. 62, [illegible] 301-307.

DESCRIPTORS: *Blast furnaces, *Slags, *Cements, Industrial production, Catalysts, Grinders, Machines, Technical data.

(Materials, TT, v. 6, no. 12)

61-18502

1. Grün, R.

[illegible]

Office of Technical Services

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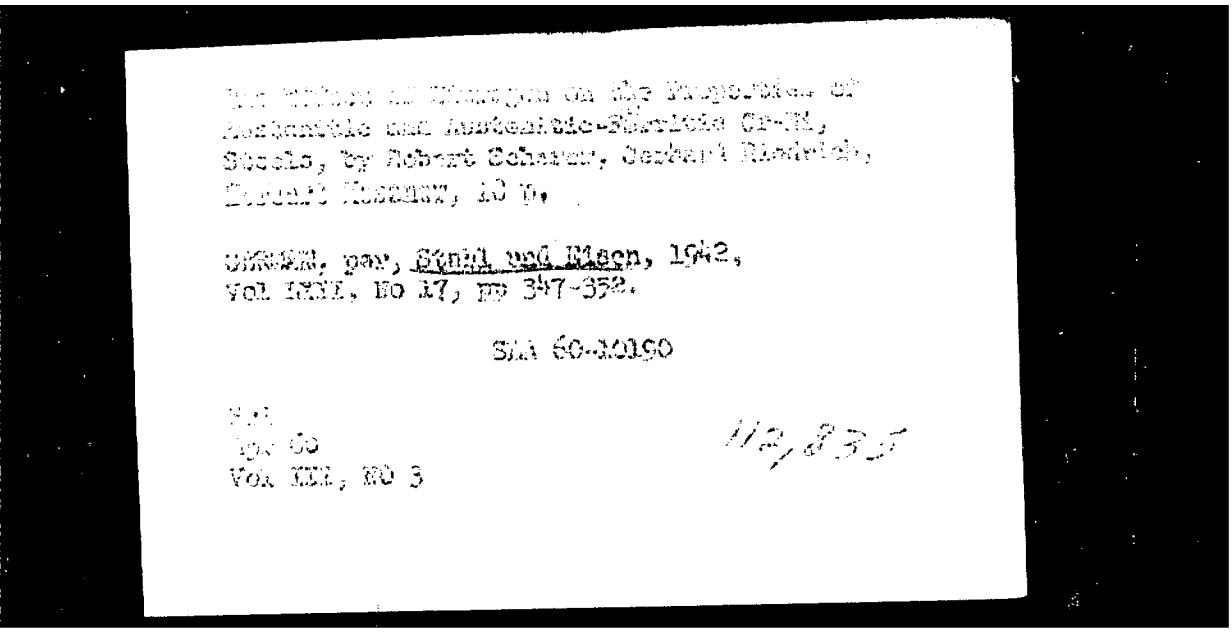

[illegible] on the Properties of
Austenitic and Austenitic-Ferritic Cr-Ni
Steels, by Robert Schafer, Herbert Kindrick,
Robert Kossuth, 10 p.

Welding, pap, Sept and Mach, 1942,
Vol XXII, No 17, pp 347-352.

SLA 60-10190

[illegible]
[illegible] 60
Vol XII, No 3

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

Note on the History of Reactive Wire Drawing, by E. Siebel.

GERMAN, Stahl und Eisen, Vol LXII, 1942, p 438.

Brutcher Tr No 1406

Scientific - Min/Metals $1.00

14,965

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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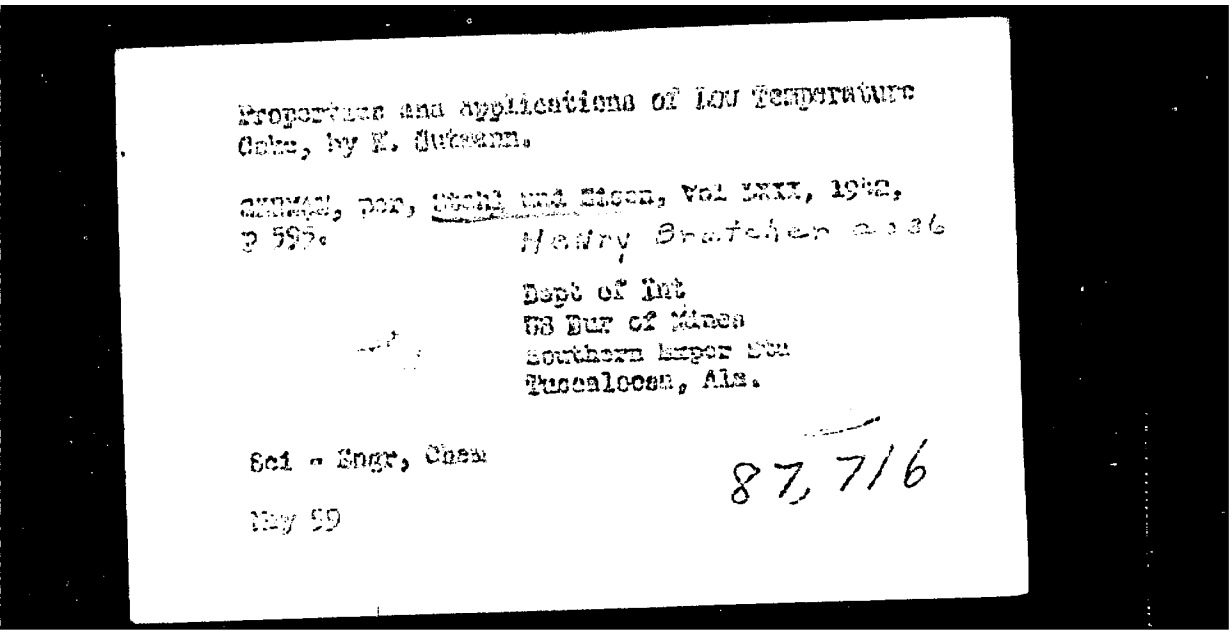

Properties and applications of low temperature
Coke, by E. Audeam.

Chimie, par, Metal and Mines, Vol XXII, 1928,
p 595.

Henry Bratcher 2136
Dept of Int
US Bur of Mines
Southern Exper Stn
Tuscaloosa, Ala.

Sci - Engr, Chem

May 59

87,716

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100360031-8

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Operation of Basic High Frequency Furnace, by W. Bottenberg, P. Bardenheuer.

GERMAN, per, Stahl und Eisen, Vol LXII, 1942, pp 713-718.

Brutcher Tr 1389

Scientific - Min/Metals $7.20

12,860

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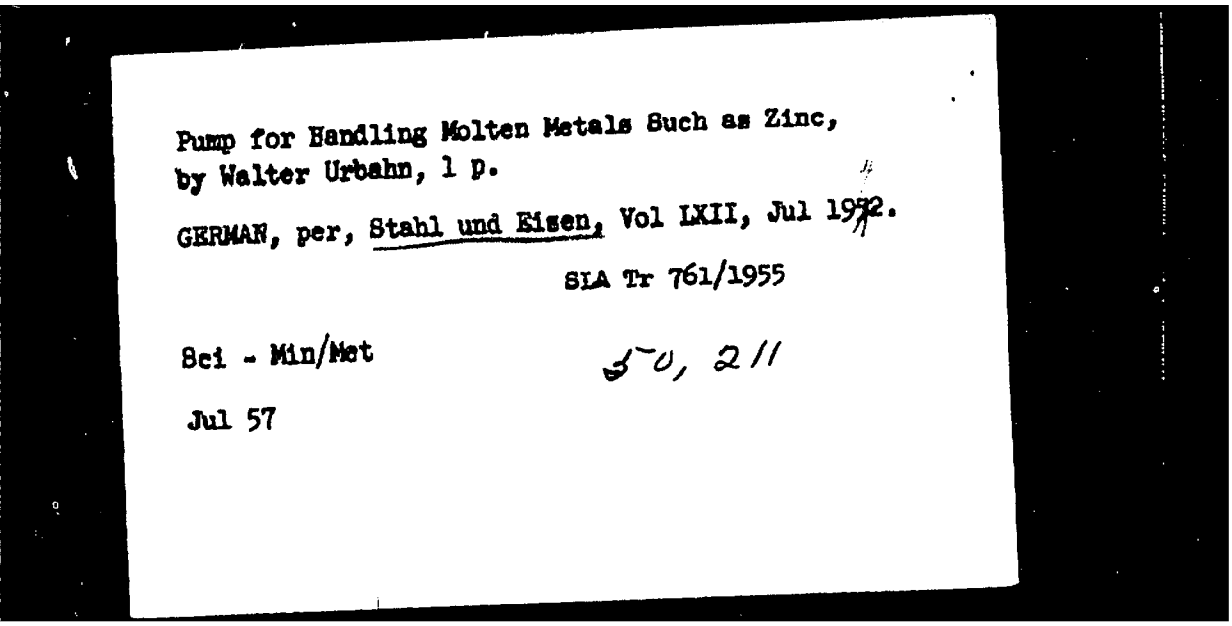

Pump for Handling Molten Metals Such as Zinc,
by Walter Urbahn, 1 p.

GERMAN, per, Stahl und Eisen, Vol LXII, Jul 1942.

SLA Tr 761/1955

Sci - Min/Met

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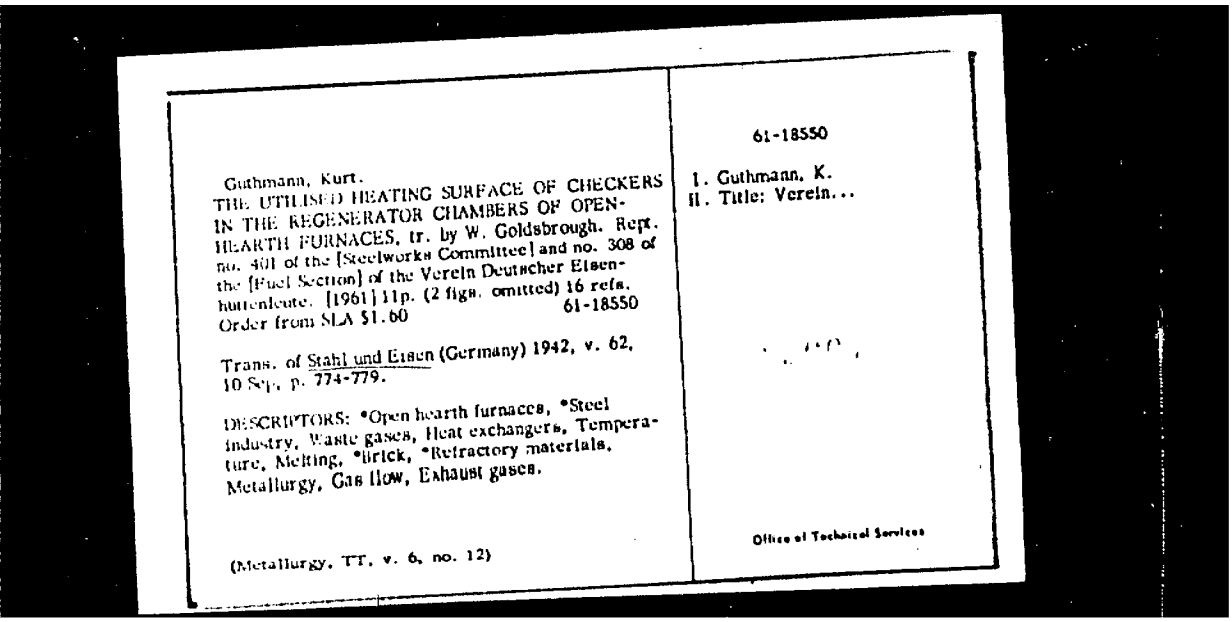

Guthmann, Kurt.
THE UTILISED HEATING SURFACE OF CHECKERS IN THE REGENERATOR CHAMBERS OF OPEN-HEARTH FURNACES, tr. by W. Goldsbrough. Rept. no. 401 of the [Steelworks Committee] and no. 308 of the [Fuel Section] of the Verein Deutscher Eisenhuttenleute. [1961] 11p. (2 figs. omitted) 16 refs. Order from SLA $1.60 61-18550

Trans. of Stahl und Eisen (Germany) 1942, v. 62, 10 Sept. p. 774-779.

DESCRIPTORS: *Open hearth furnaces, *Steel industry, Waste gases, Heat exchangers, Temperature, Melting, *Brick, *Refractory materials, Metallurgy, Gas flow, Exhaust gases.

(Metallurgy, TT, v. 6, no. 12)

61-18550

I. Guthmann, K.
II. Title: Verein...

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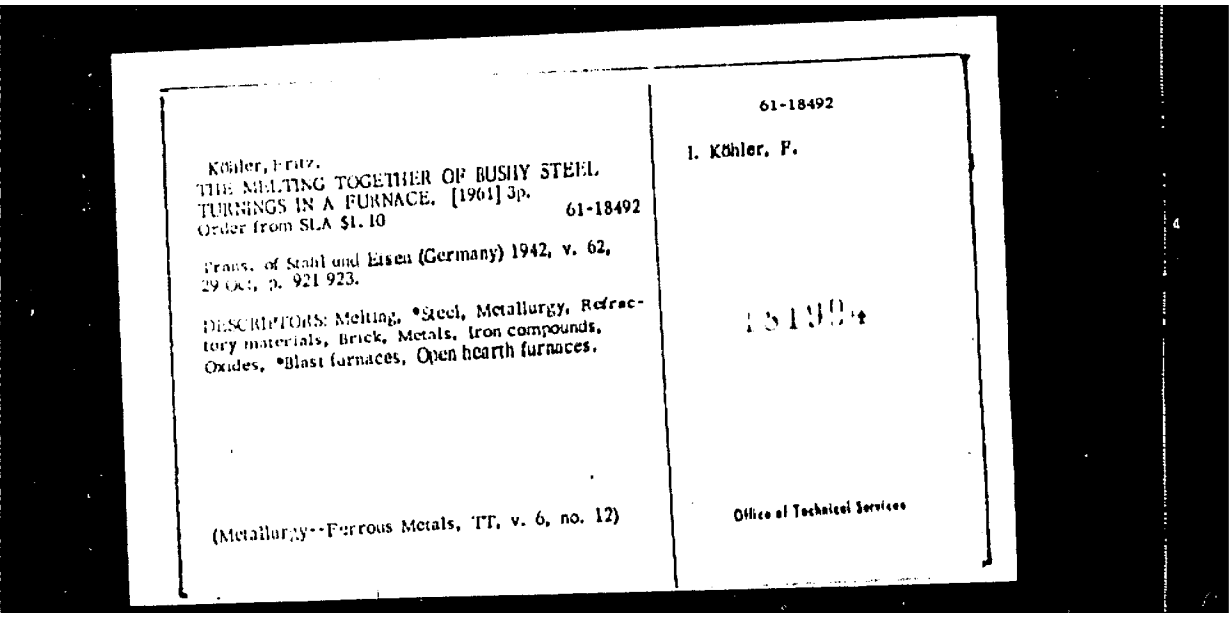

Köhler, Fritz.
THE MELTING TOGETHER OF BUSHY STEEL TURNINGS IN A FURNACE. [1961] 3p.
Order from SLA $1.10 61-18492

Trans. of Stahl und Eisen (Germany) 1942, v. 62, 29 Oct, p. 921 923.

DESCRIPTORS: Melting, *Steel, Metallurgy, Refractory materials, Brick, Metals, Iron compounds, Oxides, *Blast furnaces, Open hearth furnaces.

(Metallurgy--Ferrous Metals, TT, v. 6, no. 12)

61-18492

1. Köhler, F.

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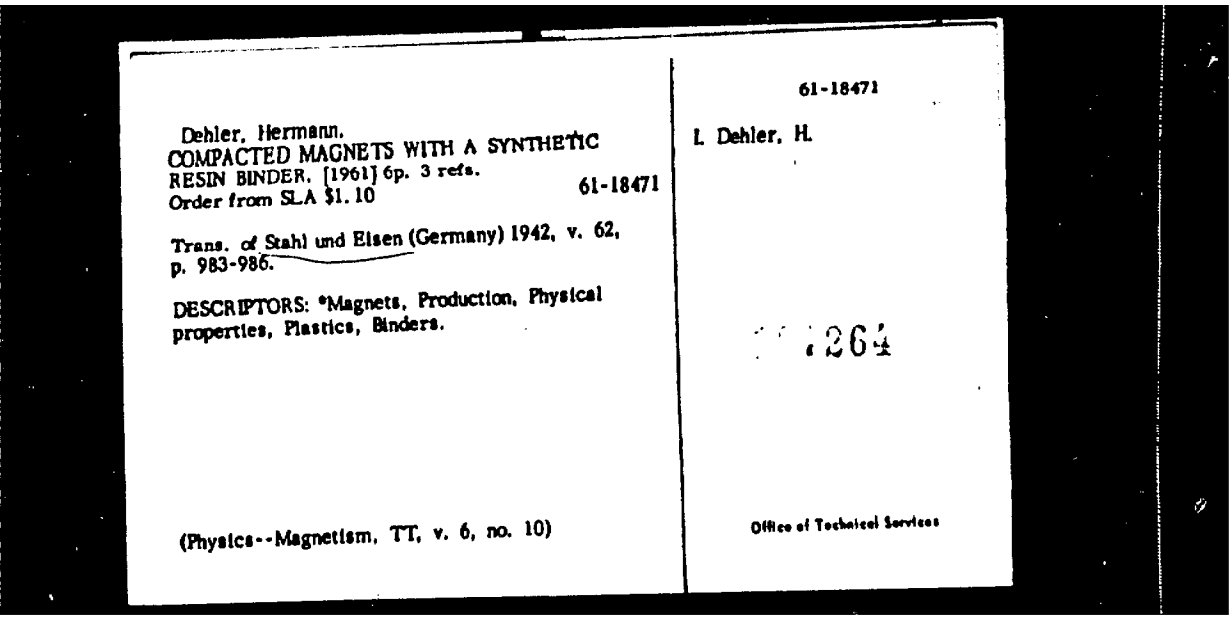

Dehler, Hermann.
COMPACTED MAGNETS WITH A SYNTHETIC RESIN BINDER. [1961] 6p. 3 refs.
Order from SLA $1.10 61-18471

Trans. of Stahl und Eisen (Germany) 1942, v. 62, p. 983-986.

DESCRIPTORS: *Magnets, Production, Physical properties, Plastics, Binders.

(Physics--Magnetism, TT, v. 6, no. 10)

61-18471

I. Dehler, H.

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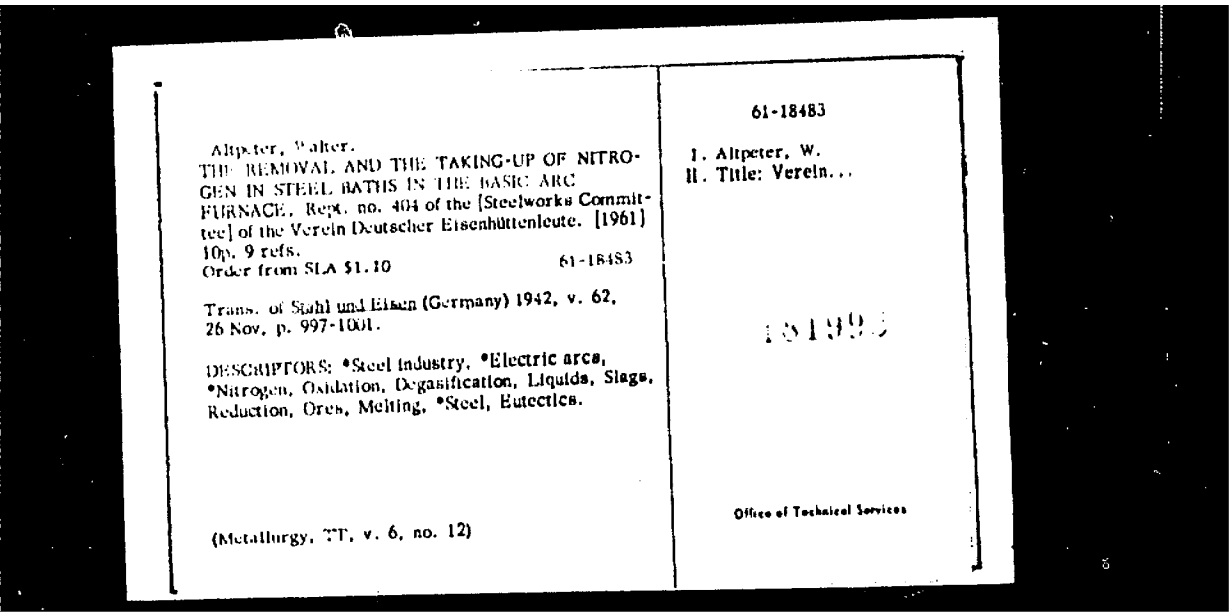

Altpeter, Walter.
THE REMOVAL AND THE TAKING-UP OF NITROGEN IN STEEL BATHS IN THE BASIC ARC FURNACE. Repr. no. 404 of the [Steelworks Committee] of the Verein Deutscher Eisenhüttenleute. [1961] 10p. 9 refs.
Order from SLA $1.10 61-18483

Trans. of Stahl und Eisen (Germany) 1942, v. 62, 26 Nov. p. 997-1001.

DESCRIPTORS: *Steel industry, *Electric arcs, *Nitrogen, Oxidation, Degasification, Liquids, Slags, Reduction, Ores, Melting, *Steel, Eutectics.

(Metallurgy, TT, v. 6, no. 12)

61-18483

I. Altpeter, W.
II. Title: Verein...

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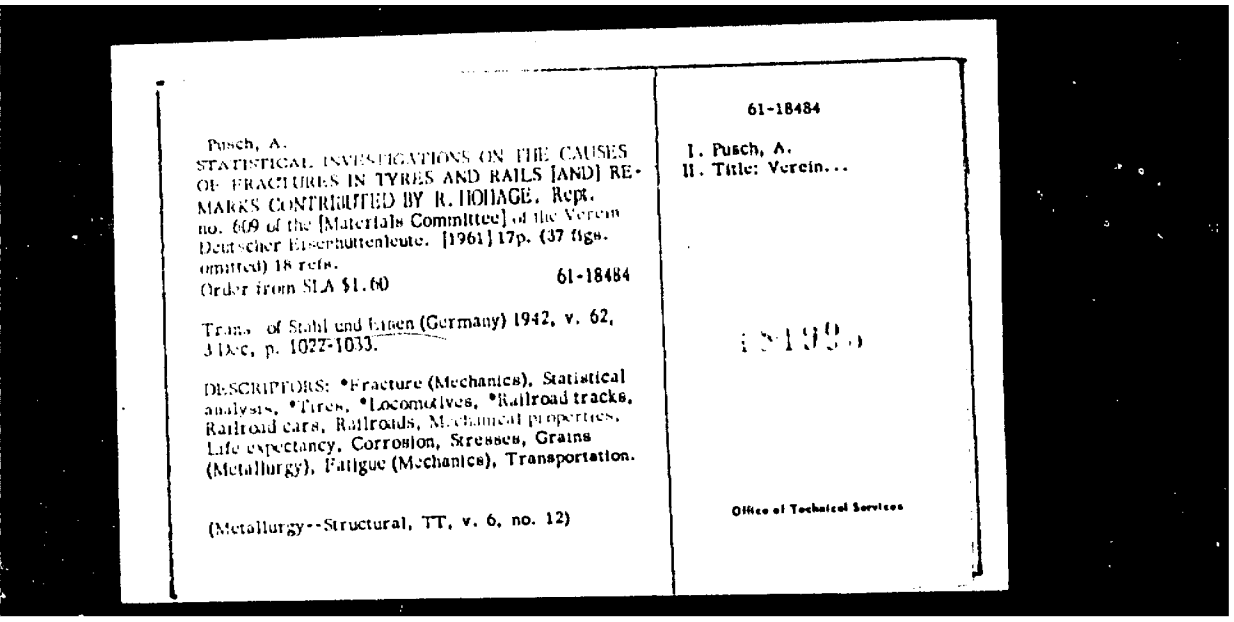

Pusch, A.
STATISTICAL INVESTIGATIONS ON THE CAUSES OF FRACTURES IN TYRES AND RAILS [AND] REMARKS CONTRIBUTED BY R. HOHAGE. Rept. no. 609 of the [Materials Committee] of the Verein Deutscher Eisenhuttenleute. [1961] 17p. (37 figs. omitted) 18 refs.
Order from SLA $1.60 61-18484

Trans. of Stahl und Eisen (Germany) 1942, v. 62, 31 Dec, p. 1022-1033.

DESCRIPTORS: *Fracture (Mechanics), Statistical analysis, *Tires, *Locomotives, *Railroad tracks, Railroad cars, Railroads, Mechanical properties, Life expectancy, Corrosion, Stresses, Grains (Metallurgy), Fatigue (Mechanics), Transportation.

(Metallurgy--Structural, TT, v. 6, no. 12)

61-18484

I. Pusch, A.
II. Title: Verein...

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